

# Automatic Transfer Switch Equipment

Catalogue 

Reliability in  
Transfer Switch

## Automatic Transfer Switch Equipment

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# Automatic Transfer Switch Equipment L2Rxx-xxx/2



- PC-Class change-over switch
- Dual power supply design: power supply I (main) and power supply II (standby)
- Supports AC systems with a rated current of 6A to 32A
- Automatic switching within 100 milliseconds
- Compliance: IEC 60947-6-1

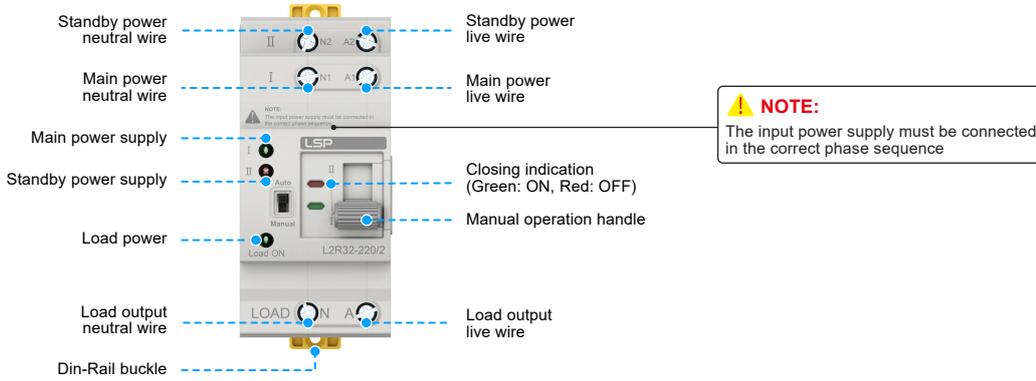
The L2R Automatic Transfer Switch Equipment (ATSE) is a PC-Class, infrequent change-over switch featuring a dual power supply design: power supply (I) as the main power and power supply (II) as the standby power. It supports AC systems with a rated current of 6A to 32A and a frequency range of 50/60 Hz. The ATSE automatically transfers to the standby power (II) when the main power (I) fails, with a switching time less than 100 milliseconds, ensuring effective protection against power outage disruptions.

## Technical Data

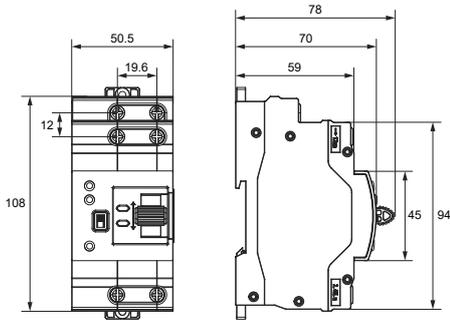
L2Rxx-xxx/2		L2R10-110/2	L2R20-110/2	L2R32-110/2	L2R10-220/2	L2R20-220/2	L2R32-220/2
<b>IEC Electrical</b>							
Rated Operational Voltage (AC)	$U_e$	110 V	110 V	110 V	220 V	220 V	220 V
Case Grade		32 A					
Rated Operational Current	$I_e$	10 A	20 A	32 A	10 A	20 A	32 A
Rated Insulation Voltage	$U_i$	690 V					
Rated Impulse Withstand Voltage	$U_{imp}$	8 kV					
Rated Short-Time Withstand Current	$I_{cw}$	3 kA / 30 ms					
Rated Frequency		50/60 Hz					
Automatic Switching Time		≤ 100 ms					
Pole Number		2P					
Usage Category		AC-31B					
Rated Conditional Short-Circuit Current	$I_q$	50 kA					
Short-Circuit Protection Device (Fuse)		RT16-00-32A					
Rated Impulse Withstand Voltage		8 kV					
TSE Class		PC-Class: Can Be Switched On and Loaded Without Generating Short-Circuit Current					
Control Circuit		Rated Control Voltage Us: AC 110 V / 230 V, 50/60 Hz Normal Working Conditions: 85% - 110% Us					
Auxiliary Circuit		110 V / 230 V, 50/60 Hz, $I_e = 5$ A					
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 85 V Recovery Value: 95 V Overvoltage Value: 145 V Recovery Value: 130 V (±5 V)		Undervoltage Value: 175 V Recovery Value: 195 V Overvoltage Value: 260 V Recovery Value: 240 V (±5 V)			
Mechanical Life		≥ 8000 Times					
Electrical Life		≥ 1500 Times					
Enclosure Material		PA66 FR					
<b>Order Information</b>							
Ordering Code							
L2Rxx-xxx/2		1001210	2001210	3201210	1002210	2002210	3202210



**Product Overview**



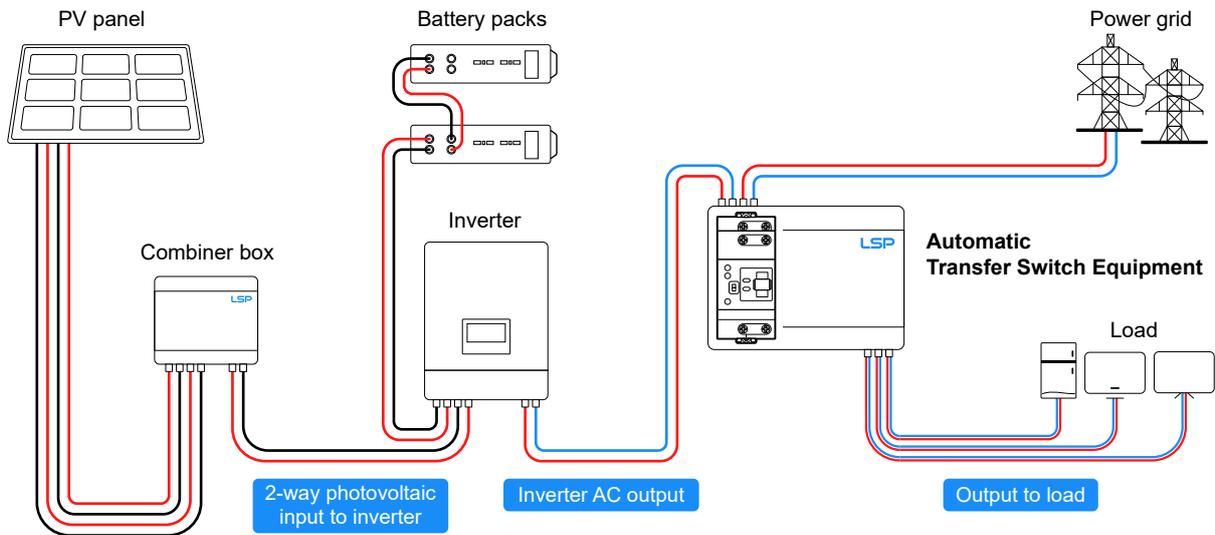
**Dimensions & Packaging**



[mm]

Packing Information	
Units per Carton	48 pcs
Product / Inner box / Carton Weight	0.355 kg / 0.04 kg / 0.49 kg
Net / Gross Weight per Carton	17.04 kg / 19.45 kg
Dimensions (H × W × L)	[275 × 265 × 470 mm]

**Easy Installation Instructions**



# Automatic Transfer Switch Equipment L2Rxx-xxx/4



- PC-Class change-over switch
- Dual power supply design: power supply I (main) and power supply II (standby)
- Supports AC systems with a rated current of 6A to 32A
- Automatic switching within 100 milliseconds
- Compliance: IEC 60947-6-1

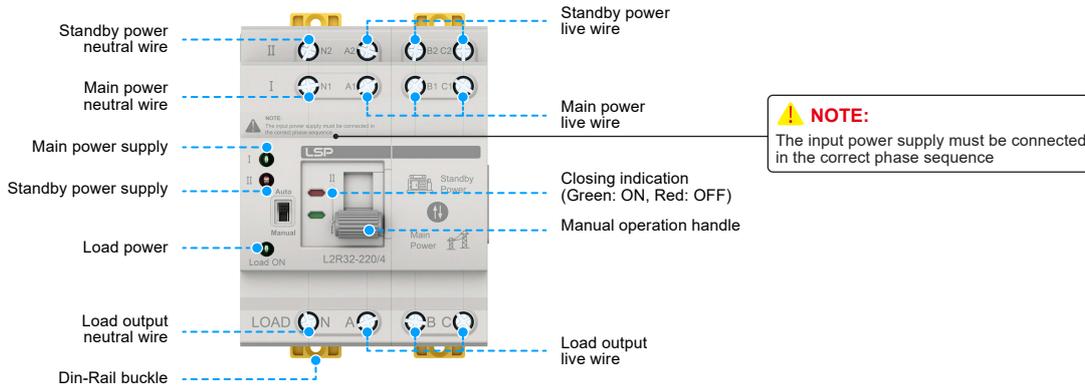
The L2R Automatic Transfer Switch Equipment (ATSE) is a PC-Class, infrequent change-over switch featuring a dual power supply design: power supply (I) as the main power and power supply (II) as the standby power. It supports AC systems with a rated current of 6A to 32A and a frequency range of 50/60 Hz. The ATSE automatically transfers to the standby power (II) when the main power (I) fails, with a switching time less than 100 milliseconds, ensuring effective protection against power outage disruptions.

## Technical Data

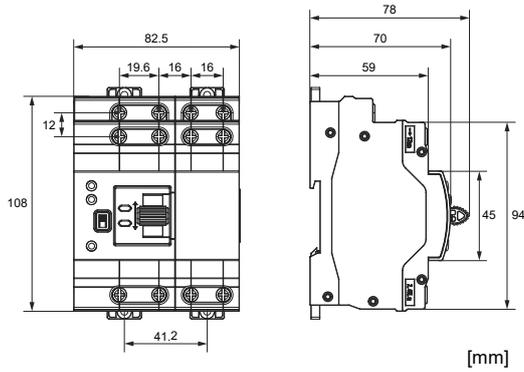
L2Rxx-xxx/4	L2R10-110/4	L2R20-110/4	L2R32-110/4	L2R10-220/4	L2R20-220/4	L2R32-220/4	
<b>IEC Electrical</b>							
Single-Phase Rated Voltage (phase-to-neutral) (AC)	110 V	110 V	110 V	220 V	220 V	220 V	
Rated Operational Voltage (phase-to-phase) (AC)	$U_e$ 200 V	200 V	200 V	400 V	400 V	400 V	
Case Grade	32 A						
Rated Operational Current	$I_e$ 10 A	20 A	32 A	10 A	20 A	32 A	
Rated Insulation Voltage	$U_i$ 690 V						
Rated Impulse Withstand Voltage	$U_{imp}$ 8 kV						
Rated Short-Time Withstand Current	$I_{cw}$ 3 kA / 30 ms						
Rated Frequency	50/60 Hz						
Automatic Switching Time	≤ 100 ms						
Pole Number	4P						
Usage Category	AC-31B						
Rated Conditional Short-Circuit Current	$I_q$ 50 kA						
Short-Circuit Protection Device (Fuse)	RT16-00-32A						
Rated Impulse Withstand Voltage	8 kV						
TSE Class	PC-Class: Can Be Switched On and Loaded Without Generating Short-Circuit Current						
Control Circuit	Rated Control Voltage Us: AC 110 V / 230 V, 50/60 Hz Normal Working Conditions: 85% - 110% Us						
Auxiliary Circuit	110 V / 230 V, 50/60 Hz, $I_e = 5$ A						
Overvoltage / Undervoltage Protection Range	Undervoltage Value: 85 V Recovery Value: 95 V Overvoltage Value: 145 V Recovery Value: 130 V (±5 V)			Undervoltage Value: 175 V Recovery Value: 195 V Overvoltage Value: 260 V Recovery Value: 240 V (±5 V)			
Mechanical Life	≥ 8000 Times						
Electrical Life	≥ 1500 Times						
Enclosure Material	PA66 FR						
<b>Order Information</b>							
Ordering Code	L2Rxx-xxx4	1001410	2001410	3201410	1002410	2002410	3202410



**Product Overview**

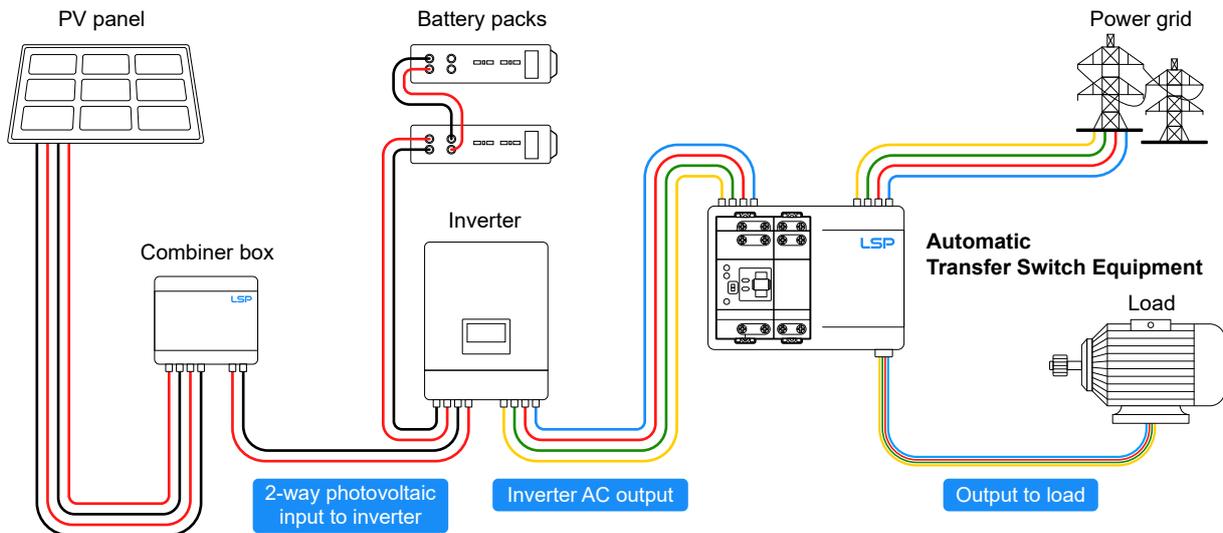


**Dimensions & Packaging**



Packing Information	
Units per Carton	30 pcs
Product / Inner box / Carton Weight	0.54 kg / 0.05 kg / 0.49 kg
Net / Gross Weight per Carton	16.2 kg / 18.19 kg
Dimensions (H × W × L)	[275 × 265 × 470 mm]

**Easy Installation Instructions**



# Automatic Transfer Switch Equipment L2Hxx-xxx/2



- PC-Class change-over switch
- Dual power supply design: power supply I (main) and power supply II (standby)
- Supports AC systems with a rated current of 10 A to 63 A
- Automatic switching time 20 milliseconds
- Compliance: IEC 60947-6-1

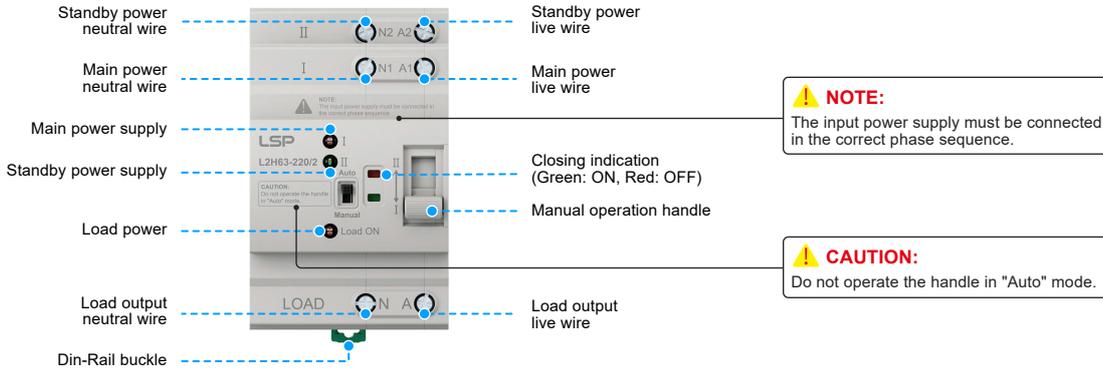
The L2H Automatic Transfer Switch Equipment (ATSE) is a PC-Class, infrequently operated change-over switch designed with a dual power input: power supply (I) serves as the main source, while power supply (II) acts as the standby. It is applicable to AC systems with rated currents from 10 A to 63 A and operating frequencies of 50/60 Hz. Upon failure of the main power (I), the ATSE automatically transfers to the standby power (II) within 20 milliseconds, ensuring continuous power supply and reliable protection against outages.

## Technical Data

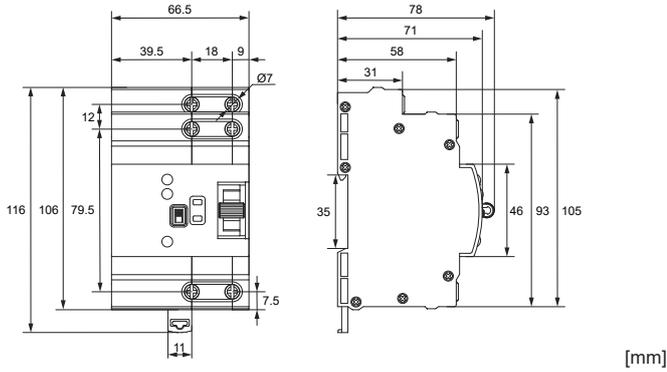
L2Hxx-xxx/2		L2H20-110/2	L2H40-110/2	L2H63-110/2	L2H20-220/2	L2H40-220/2	L2H63-220/2
<b>IEC Electrical</b>							
Rated Operational Voltage (AC)	$U_e$	110 V	110 V	110 V	220 V	220 V	220 V
Case Grade		63 A					
Rated Operational Current	$I_e$	20 A	40 A	63 A	20 A	40 A	63 A
Rated Insulation Voltage	$U_i$	690 V					
Rated Impulse Withstand Voltage	$U_{imp}$	8 kV					
Rated Short-Time Withstand Current	$I_{cw}$	3 kA / 30 ms					
Rated Frequency		50/60 Hz					
Automatic Switching Time		20 ms					
Pole Number		2P					
Usage Category		AC-31B					
Rated Conditional Short-Circuit Current	$I_q$	50 kA					
Short-Circuit Protection Device (Fuse)		RT16-00-63A					
Rated Impulse Withstand Voltage		8 kV					
TSE Class		PC-Class: Can Be Switched On and Loaded Without Generating Short-Circuit Current					
Control Circuit		Rated Control Voltage Us: AC 110 V / 230 V, 50/60 Hz Normal Working Conditions: 85% Us-110% Us					
Auxiliary Circuit		230 V, 50/60 Hz, $I_e = 5 A$					
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 85 V Overvoltage Value: 145 V			Undervoltage Value: 187 V Overvoltage Value: 253 V		
Mechanical Life		≥ 6000 Times					
Electrical Life		≥ 1500 Times					
<b>Order Information</b>							
Ordering Code		2001260	4001260	6301260	2002260	4002260	6302260



Product Overview

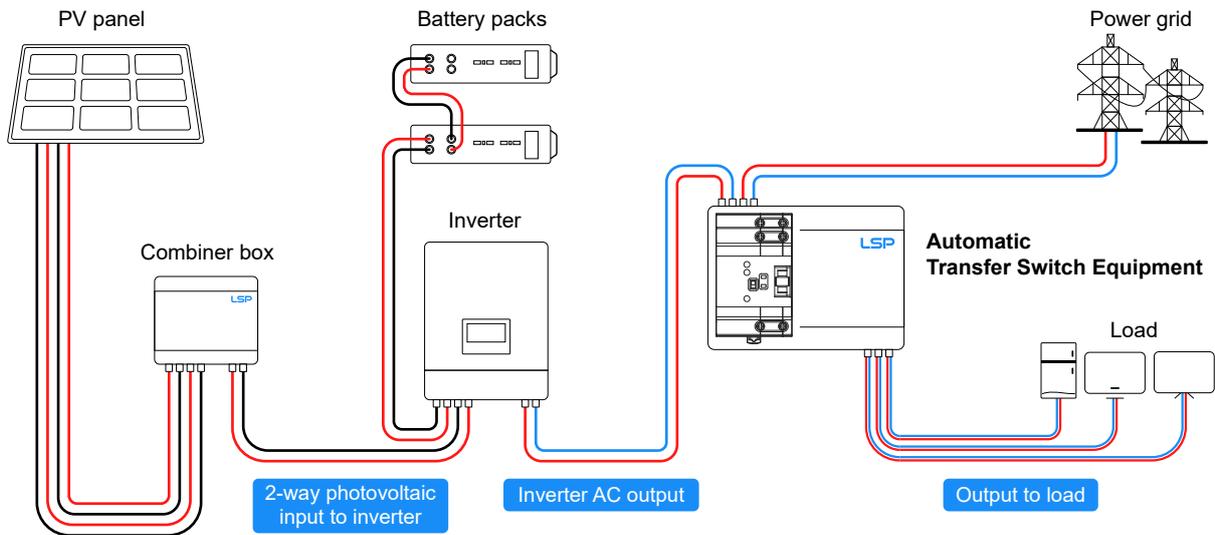


Dimensions & Packaging



Packing Information	
Units per Carton	20 pcs
Product / Inner box / Carton Weight	0.4 kg / 0.01 kg / 0.4 kg
Net / Gross Weight per Carton	8 kg / 8.6 kg
Dimensions (H × W × L)	[185 × 235 × 370 mm]

Easy Installation Instructions



# Automatic Transfer Switch Equipment

## L2Hxx-xxx/4



- PC-Class change-over switch
- Dual power supply design: power supply I (main) and power supply II (standby)
- Supports AC systems with a rated current of 10 A to 63 A
- Automatic switching time 20 milliseconds
- Compliance: IEC 60947-6-1

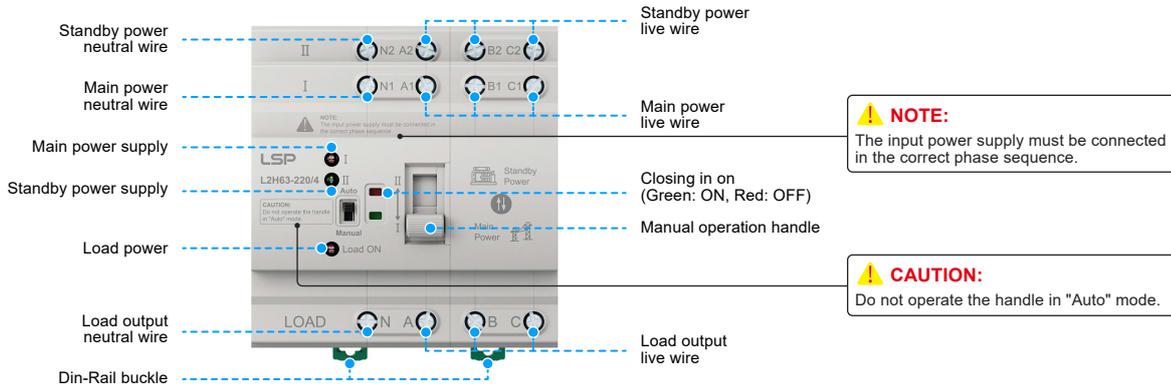
The L2H Automatic Transfer Switch Equipment (ATSE) is a PC-Class, infrequently operated change-over switch designed with a dual power input: power supply (I) serves as the main source, while power supply (II) acts as the standby. It is applicable to AC systems with rated currents from 10 A to 63 A and operating frequencies of 50/60 Hz. Upon failure of the main power (I), the ATSE automatically transfers to the standby power (II) within 20 milliseconds, ensuring continuous power supply and reliable protection against outages.

### Technical Data

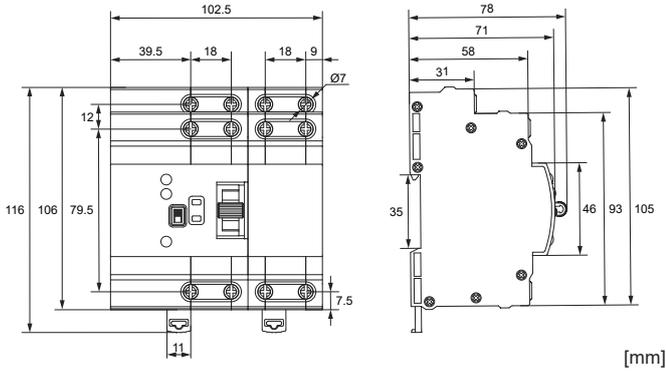
L2Hxx-xxx/4		L2H20-110/4	L2H40-110/4	L2H63-110/4	L2H20-220/4	L2H40-220/4	L2H63-220/4
<b>IEC Electrical</b>							
Single-Phase Rated Voltage (phase-to-neutral) (AC)		110 V	110 V	110 V	220 V	220 V	220 V
Rated Operational Voltage (phase-to-phase) (AC)	$U_e$	200 V	200 V	200 V	400 V	400 V	400 V
Case Grade		63 A					
Rated Operational Current	$I_e$	20 A	40 A	63 A	20 A	40 A	63 A
Rated Insulation Voltage	$U_i$	690 V					
Rated Impulse Withstand Voltage	$U_{imp}$	8 kV					
Rated Short-Time Withstand Current	$I_{cw}$	3 kA / 30 ms					
Rated Frequency		50/60 Hz					
Automatic Switching Time		20 ms					
Pole Number		4P					
Usage Category		AC-31B					
Rated Conditional Short-Circuit Current	$I_q$	50 kA					
Short-Circuit Protection Device (Fuse)		RT16-00-63A					
Rated Impulse Withstand Voltage		8 kV					
TSE Class		PC-Class: Can Be Switched On and Loaded Without Generating Short-Circuit Current					
Control Circuit		Rated Control Voltage $U_s$ : AC 110 V / 230 V, 50/60 Hz Normal Working Conditions: 85% $U_s$ -110% $U_s$					
Auxiliary Circuit		230 V, 50/60 Hz, $I_e = 5$ A					
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 85 V Overvoltage Value: 145 V			Undervoltage Value: 187 V Overvoltage Value: 253 V		
Mechanical Life		≥ 6000 Times					
Electrical Life		≥ 1500 Times					
<b>Order Information</b>							
Ordering Code							
L2Hxx-xxx/4		2001460	4001460	6301460	2002460	4002460	6302460



**Product Overview**

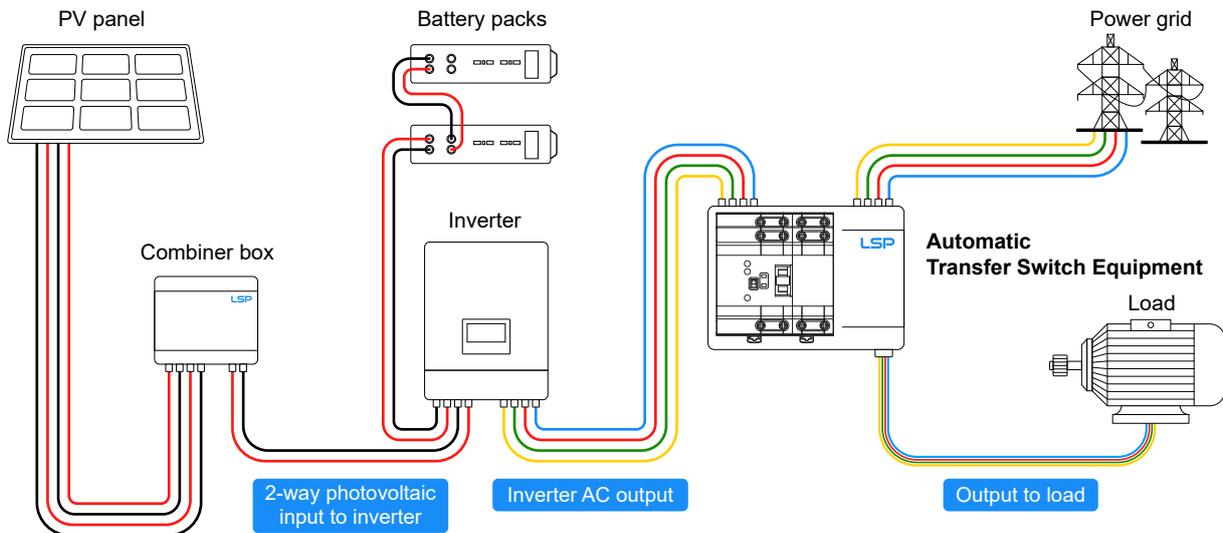


**Dimensions & Packaging**



Packing Information	
Units per Carton	20 pcs
Product / Inner box / Carton Weight	0.55 kg / 0.05 kg / 0.5 kg
Net / Gross Weight per Carton	11 kg / 12.5 kg
Dimensions (H × W × L)	[185 × 235 × 550 mm]

**Easy Installation Instructions**



# Automatic Transfer Switch Equipment

## M2Rxxx-xxx/2



- PC-Class change-over switch
- Dual power supply design: power supply A (main) and power supply B (standby)
- Supports AC systems with a rated current of 6 A to 100 A
- Automatic switching within 100 milliseconds
- Compliance: IEC 60947-6-1

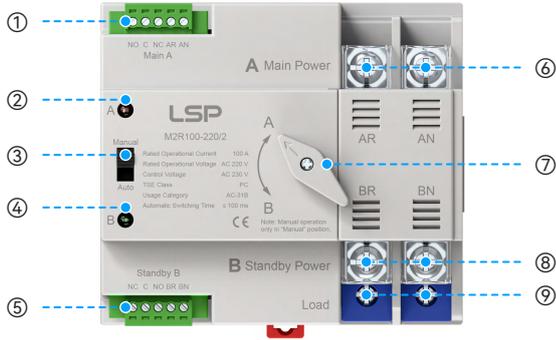
The M2R Automatic Transfer Switching Equipment (ATSE) is a PC-class miniature power transfer device designed for residential applications. It supports dual power inputs from a main and a backup source. In the event of a main power failure or abnormality, the device automatically transfers to the backup power within 100 milliseconds, ensuring continuous and reliable power supply. It is suitable for low-voltage AC systems rated from 6A to 100A at 50/60Hz, features DIN rail mounting, and complies with IEC 60947-6-1:2021 standards.

### Technical Data

M2Rxxx-xxx/2		M2R40-110/2	M2R63-110/2	M2R100-110/2	M2R40-220/2	M2R63-220/2	M2R100-220/2
<b>IEC Electrical</b>							
Rated Operational Voltage (AC)	$U_e$	110 V	110 V	110 V	220 V	220 V	220 V
Case Grade		100 A					
Rated Operational Current	$I_e$	40 A	63 A	100 A	40 A	63 A	100 A
Rated Insulation Voltage	$U_i$	690 V					
Rated Impulse Withstand Voltage	$U_{imp}$	8 kV					
Rated Frequency		50/60 Hz					
Automatic Switching Time		≤ 100 ms					
Pole Number		2P					
Usage Category		40 A / 63 A: AC-33iB		100A: AC-31B			
Rated Conditional Short-Circuit Current	$I_q$	50 kA					
Short-Circuit Protection Device (Fuse)		RT16-00-63A					
Rated Impulse Withstand Voltage		8 kV					
TSE Class		PC-Class: Can Be Switched On and Loaded Without Generating Short-Circuit Current					
Control Circuit		Rated Control Voltage $U_s$ : AC 110 V / 230 V, 50/60 Hz Normal Working Conditions: 85% - 110% $U_s$					
Auxiliary Circuit		110 V / 230 V, 50/60 Hz, $I_e = 5 A$					
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 85 V Recovery Value: 95 V Overvoltage Value: 145 V Recovery Value: 130 V (±5 V)		Undervoltage Value: 175 V Recovery Value: 195 V Overvoltage Value: 260 V Recovery Value: 240 V (±5 V)			
Mechanical Life		≥ 5000 Times					
Electrical Life		≥ 2000 Times					
Enclosure Material		PA66 FR					
<b>Order Information</b>							
Ordering Code							
M2Rxxx-xxx/2		4001220	6301220	1011220	4002220	6302220	1012220

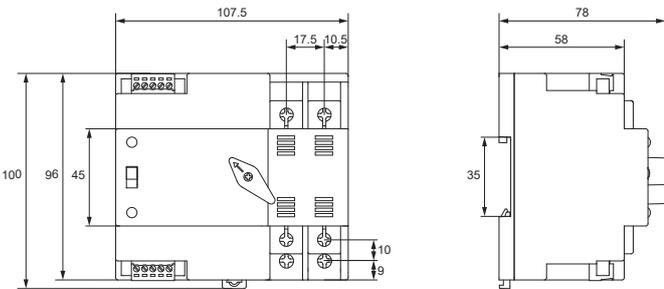


Product Overview



- ① Composite Terminal Block for Main Power A (Signalling & Motor Supply)
- ② Main Power Indicator
- ③ Manual / Automatic Selector Switch
- ④ Standby Power Indicator
- ⑤ Composite Terminal Block for Standby Power B (Signalling & Motor Supply)
- ⑥ Main Power Terminals (Main Power Input)
- ⑦ Manual Rotary Switch
- ⑧ Standby Power Terminals (Standby Power Input)
- ⑨ Load Terminals (Power Output to Load)

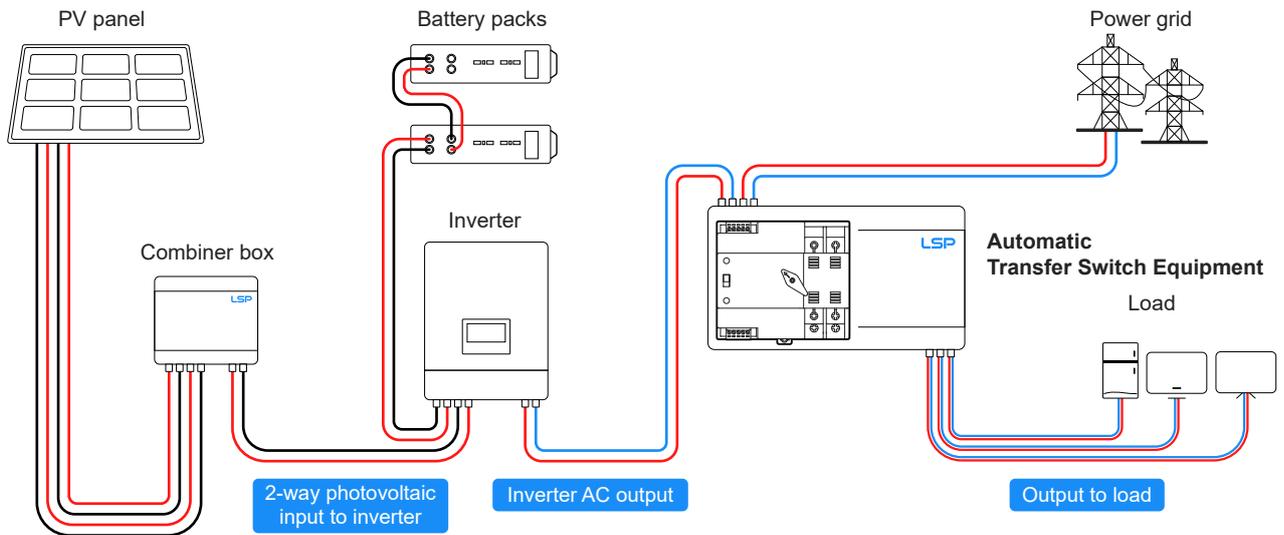
Dimensions & Packaging



[mm]

Packing Information	
Units per Carton	20 pcs
Product / Inner box / Carton Weight	0.51 kg / 0.1 kg / 0.5 kg
Net / Gross Weight per Carton	10.2 kg / 12.7 kg
Dimensions (H × W × L)	[300 × 290 × 555 mm]

Easy Installation Instructions



# Automatic Transfer Switch Equipment M2Rxxx-xxx/3



- PC-Class change-over switch
- Dual power supply design: power supply A (main) and power supply B (standby)
- Supports AC systems with a rated current of 6 A to 100 A
- Automatic switching within 100 milliseconds
- Compliance: IEC 60947-6-1

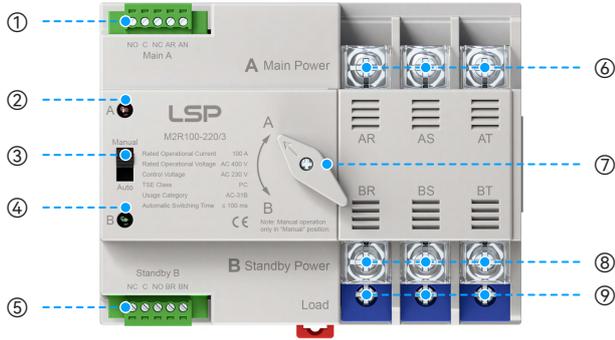
The M2R Automatic Transfer Switching Equipment (ATSE) is a PC-class miniature power transfer device designed for residential applications. It supports dual power inputs from a main and a backup source. In the event of a main power failure or abnormality, the device automatically transfers to the backup power within 100 milliseconds, ensuring continuous and reliable power supply. It is suitable for low-voltage AC systems rated from 6A to 100A at 50/60Hz, features DIN rail mounting, and complies with IEC 60947-6-1:2021 standards.

## Technical Data

M2Rxxx-xxx/3	M2R40-110/3	M2R63-110/3	M2R100-110/3	M2R40-220/3	M2R63-220/3	M2R100-220/3
<b>IEC Electrical</b>						
Single-Phase Rated Voltage (phase-to-neutral) (AC)	110 V	110 V	110 V	220 V	220 V	220 V
Rated Operational Voltage (phase-to-phase) (AC)	$U_e$ 200 V	200 V	200 V	400 V	400 V	400 V
Case Grade	100 A					
Rated Operational Current	$I_e$ 40 A	63 A	100 A	40 A	63 A	100 A
Rated Insulation Voltage	$U_i$ 690 V					
Rated Impulse Withstand Voltage	$U_{imp}$ 8 kV					
Rated Frequency	50/60 Hz					
Automatic Switching Time	≤ 100 ms					
Pole Number	3P					
Usage Category	40 A / 63 A: AC-33iB			100A: AC-31B		
Rated Conditional Short-Circuit Current	$I_q$ 50 kA					
Short-Circuit Protection Device (Fuse)	RT16-00-63A					
Rated Impulse Withstand Voltage	8 kV					
TSE Class	PC-Class: Can Be Switched On and Loaded Without Generating Short-Circuit Current					
Control Circuit	Rated Control Voltage $U_s$ : AC 110 V / 230 V, 50/60 Hz Normal Working Conditions: 85% - 110% $U_s$					
Auxiliary Circuit	110 V / 230 V, 50/60 Hz, $I_e = 5$ A					
Overvoltage / Undervoltage Protection Range	Undervoltage Value: 85 V Recovery Value: 95 V Overvoltage Value: 145 V Recovery Value: 130 V (±5 V)		Undervoltage Value: 175 V Recovery Value: 195 V Overvoltage Value: 260 V Recovery Value: 240 V (±5 V)			
Mechanical Life	≥ 5000 Times					
Electrical Life	≥ 2000 Times					
Enclosure Material	PA66 FR					
<b>Order Information</b>						
Ordering Code	M2Rxxx-xxx/3	4001320	6301320	1011320	4002320	6302320 1012320

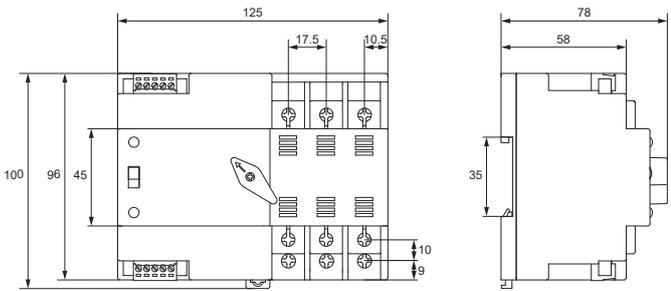


Product Overview



- ① Composite Terminal Block for Main Power A (Signalling & Motor Supply)
- ② Main Power Indicator
- ③ Manual / Automatic Selector Switch
- ④ Standby Power Indicator
- ⑤ Composite Terminal Block for Standby Power B (Signalling & Motor Supply)
- ⑥ Main Power Terminals (Main Power Input)
- ⑦ Manual Rotary Switch
- ⑧ Standby Power Terminals (Standby Power Input)
- ⑨ Load Terminals (Power Output to Load)

Dimensions & Packaging

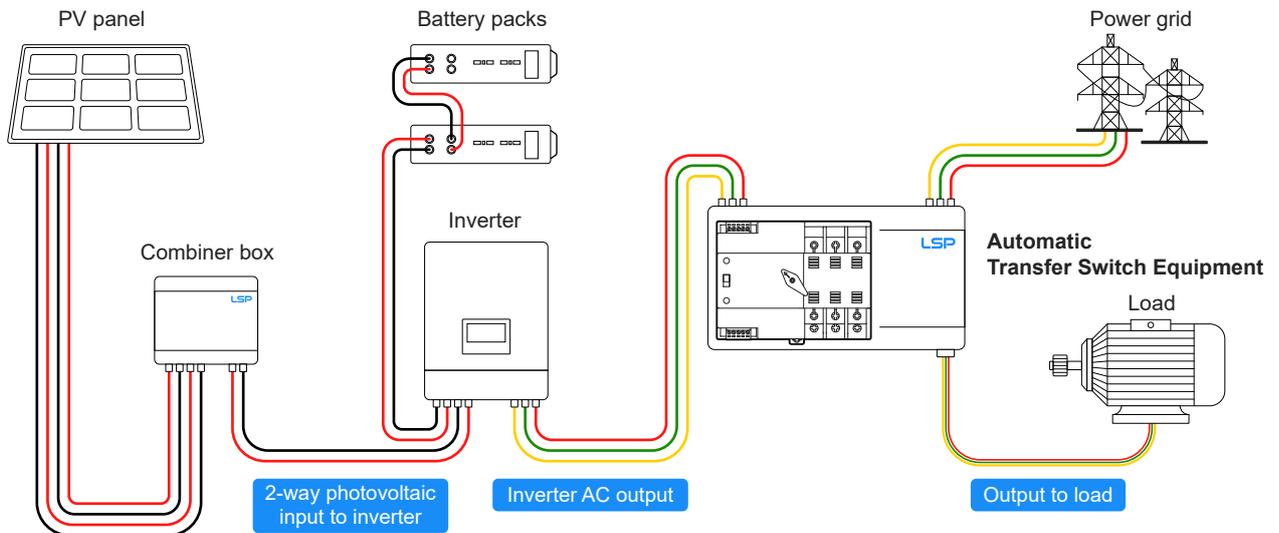


[mm]

Packing Information

Units per Carton	20 pcs
Product / Inner box / Carton Weight	0.64 kg / 0.1 kg / 0.5 kg
Net / Gross Weight per Carton	12.8 kg / 15.3 kg
Dimensions (H x W x L)	[300 x 330 x 555 mm]

Easy Installation Instructions



# Automatic Transfer Switch Equipment M2Rxxx-xxx/4



- PC-Class change-over switch
- Dual power supply design: power supply A (main) and power supply B (standby)
- Supports AC systems with a rated current of 6 A to 100 A
- Automatic switching within 100 milliseconds
- Compliance: IEC 60947-6-1

The M2R Automatic Transfer Switching Equipment (ATSE) is a PC-class miniature power transfer device designed for residential applications. It supports dual power inputs from a main and a backup source. In the event of a main power failure or abnormality, the device automatically transfers to the backup power within 100 milliseconds, ensuring continuous and reliable power supply. It is suitable for low-voltage AC systems rated from 6A to 100A at 50/60Hz, features DIN rail mounting, and complies with IEC 60947-6-1:2021 standards.

## Technical Data

M2Rxxx-xxx/4	M2R40-110/4	M2R63-110/4	M2R100-110/4	M2R40-220/4	M2R63-220/4	M2R100-220/4
<b>IEC Electrical</b>						
Single-Phase Rated Voltage (phase-to-neutral) (AC)	110 V	110 V	110 V	220 V	220 V	220 V
Rated Operational Voltage (phase-to-phase) (AC)	$U_e$ 200 V	200 V	200 V	400 V	400 V	400 V
Case Grade	100 A					
Rated Operational Current	$I_e$ 40 A	63 A	100 A	40 A	63 A	100 A
Rated Insulation Voltage	$U_i$ 690 V					
Rated Impulse Withstand Voltage	$U_{imp}$ 8 kV					
Rated Frequency	50/60 Hz					
Automatic Switching Time	≤ 100 ms					
Pole Number	4P					
Usage Category	40 A / 63 A: AC-33iB			100A: AC-31B		
Rated Conditional Short-Circuit Current	$I_q$ 50 kA					
Short-Circuit Protection Device (Fuse)	RT16-00-63A					
Rated Impulse Withstand Voltage	8 kV					
TSE Class	PC-Class: Can Be Switched On and Loaded Without Generating Short-Circuit Current					
Control Circuit	Rated Control Voltage $U_s$ : AC 110 V / 230 V, 50/60 Hz Normal Working Conditions: 85% - 110% $U_s$					
Auxiliary Circuit	110 V / 230 V, 50/60 Hz, $I_e = 5$ A					
Overvoltage / Undervoltage Protection Range	Undervoltage Value: 85 V Recovery Value: 95 V Overvoltage Value: 145 V Recovery Value: 130 V (±5 V)		Undervoltage Value: 175 V Recovery Value: 195 V Overvoltage Value: 260 V Recovery Value: 240 V (±5 V)			
Mechanical Life	≥ 5000 Times					
Electrical Life	≥ 2000 Times					
Enclosure Material	PA66 FR					

## Order Information

Ordering Code	M2Rxxx-xxx/4	4001420	6301420	1011420	4002420	6302420	1012420
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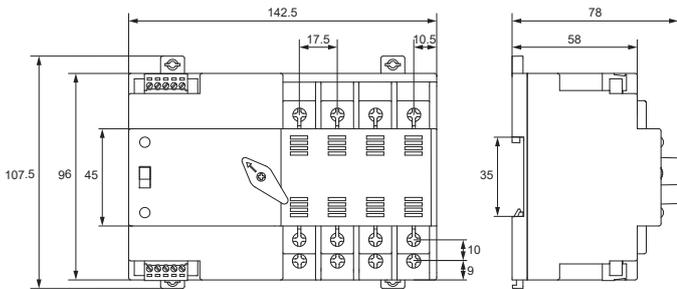


**Product Overview**



- ① Composite Terminal Block for Main Power A (Signalling & Motor Supply)
- ② Main Power Indicator
- ③ Manual / Automatic Selector Switch
- ④ Standby Power Indicator
- ⑤ Composite Terminal Block for Standby Power B (Signalling & Motor Supply)
- ⑥ Main Power Terminals (Main Power Input)
- ⑦ Manual Rotary Switch
- ⑧ Standby Power Terminals (Standby Power Input)
- ⑨ Load Terminals (Power Output to Load)
- ⑩ Mounting Hole (4P)

**Dimensions & Packaging**

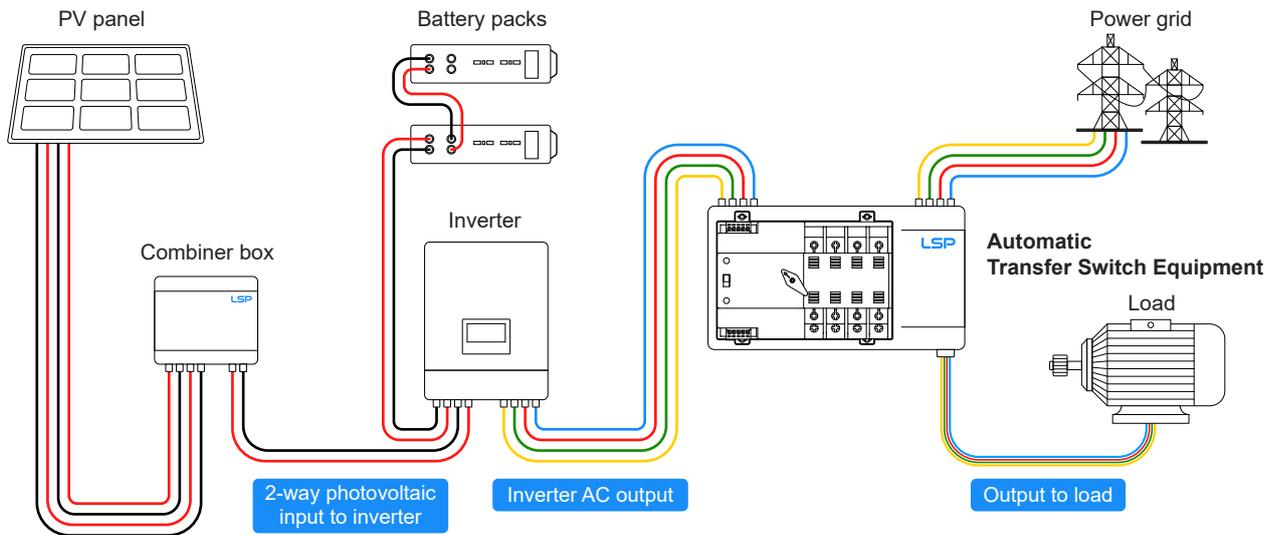


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**Packing Information**

Units per Carton	20 pcs
Product / Inner box / Carton Weight	0.7 kg / 0.1 kg / 0.5 kg
Net / Gross Weight per Carton	14.0 kg / 16.5 kg
Dimensions (H × W × L)	[300 × 360 × 555 mm]

**Easy Installation Instructions**



# Automatic Transfer Switch Equipment N2M125-220/3(F/T)



- PC-Class change-over switch
- Dual power supply design: power supply A (main) and power supply B (standby)
- Supports AC systems with a rated current of 80 A to 125 A
- Compliance: IEC 60947-6-1

The N2M125 series ensures reliable power for critical applications (e.g., fire protection, telecom, healthcare) with fast switching between main and backup power sources (utility grid, generator, or battery). It features an excitation mechanism, microcomputer control, intelligent monitoring, and strong EMC, operating at 220 V without additional control power. Suitable for three-phase systems (80-125 A), it supports automatic and manual transfer, complying with IEC 60947-6-1.

## Technical Data

N2M125-220/3(F/T)

220

### IEC Electrical

Rated Voltage (Phase-to-Neutral) (AC)		230 V
Rated Operational Voltage (Phase-to-Phase) (AC)	$U_e$	400 V
Case Grade		125 A
Rated Operational Current	$I_e$	80 A / 125 A
Rated Insulation Voltage (Main Circuit)	$U_i$	690 V
Rated Impulse Withstand Voltage (Main Circuit)	$U_{imp}$	8 kV
Rated Insulation Voltage (Control Circuit)	$U_i$	690 V
Rated Impulse Withstand Voltage (Control Circuit)	$U_{imp}$	4 kV
Rated Short-Time Withstand Current	$I_{cw}$	10 kA
Rated Short-Circuit Making Capacity	$I_{cm}$	17 kA
Rated Frequency		50 Hz
Automatic Switching Time (A to B)		≤ 900 ms
Load Disconnect Time		≤ 100 ms
Pole Number		3P
Usage Category		AC-33B
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% $U_e$ , 50 Hz, $I_e = 6 A$
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		20000 times
Electrical Life		6000 times
Operating Cycle		One operation per 10 s
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported
		T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / AC 230 V), immediate start, 5 s stop delay
Return Transfer Delay (B to A)		Adjustable from 0 to 30 s
Enclosure Material		Glass Fiber Reinforced Unsaturated Polyester (DMC)

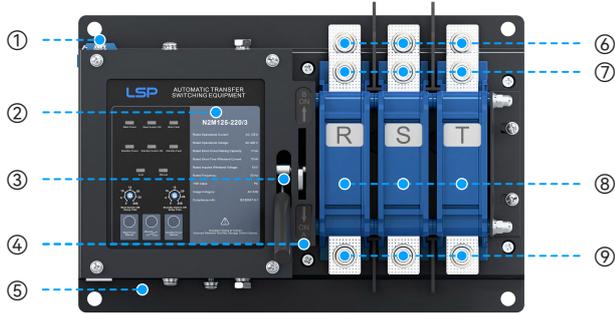
### Order Information

Ordering Code	220
N2M125-220/3	1212330
N2M125-220/3F	1212331
N2M125-220/3T	1212332
N2M125-220/3FT	1212333



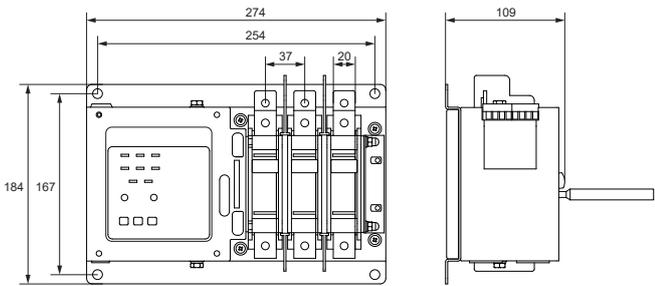
# N2M125-220/3(F/T)

## Product Overview



- ① Terminal Block for Main Power A & Standby Power B
- ② Nameplate
- ③ Commissioning Handle
- ④ Mechanical Indicator of Power Transfer
- ⑤ Mounting Base
- ⑥ Standby Power Terminals
- ⑦ Main Power Terminals
- ⑧ Terminal Block Modules
- ⑨ Load Terminals

## Dimensions & Packaging

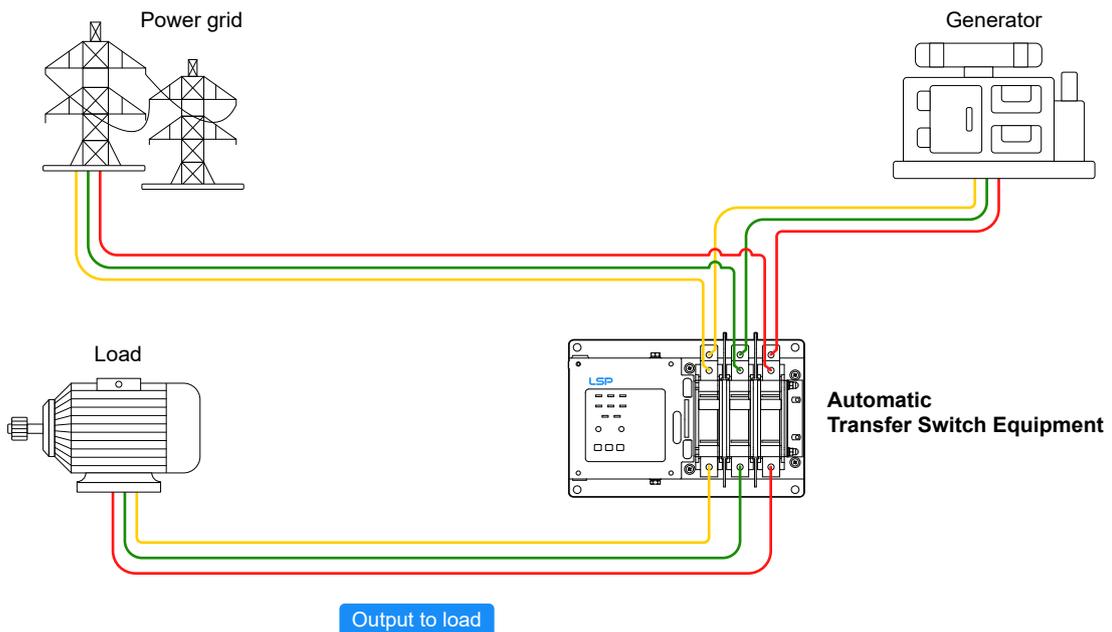


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### Packing Information

Units per Carton	1 pc
Product / Inner box / Carton Weight	5.02 kg / 0.88 kg
Net / Gross Weight per Carton	5.02 kg / 5.9 kg
Dimensions (H × W × L)	[180 × 250 × 370 mm]

## Easy Installation Instructions



# Automatic Transfer Switch Equipment N2M125-220/4(F/T)



- PC-Class change-over switch
- Dual power supply design: power supply A (main) and power supply B (standby)
- Supports AC systems with a rated current of 80 A to 125 A
- Compliance: IEC 60947-6-1

The N2M125 series ensures reliable power for critical applications (e.g., fire protection, telecom, healthcare) with fast switching between main and backup power sources (utility grid, generator, or battery). It features an excitation mechanism, microcomputer control, intelligent monitoring, and strong EMC, operating at 220 V without additional control power. Suitable for three-phase systems (80-125 A), it supports automatic and manual transfer, complying with IEC 60947-6-1.

## Technical Data

N2M125-220/4(F/T)

220

### IEC Electrical

Rated Voltage (Phase-to-Neutral) (AC)		230 V
Rated Operational Voltage (Phase-to-Phase) (AC)	$U_e$	400 V
Case Grade		125 A
Rated Operational Current	$I_e$	80 A / 125 A
Rated Insulation Voltage (Main Circuit)	$U_i$	690 V
Rated Impulse Withstand Voltage (Main Circuit)	$U_{imp}$	8 kV
Rated Insulation Voltage (Control Circuit)	$U_i$	690 V
Rated Impulse Withstand Voltage (Control Circuit)	$U_{imp}$	4 kV
Rated Short-Time Withstand Current	$I_{cw}$	10 kA
Rated Short-Circuit Making Capacity	$I_{cm}$	17 kA
Rated Frequency		50 Hz
Automatic Switching Time (A to B)		≤ 900 ms
Load Disconnect Time		≤ 100 ms
Pole Number		4P
Usage Category		AC-33B
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% $U_e$ , 50 Hz, $I_e = 6 A$
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		20000 times
Electrical Life		6000 times
Operating Cycle		One operation per 10 s
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / AC 230 V), immediate start, 5 s stop delay
Return Transfer Delay (B to A)		Adjustable from 0 to 30 s
Enclosure Material		Glass Fiber Reinforced Unsaturated Polyester (DMC)

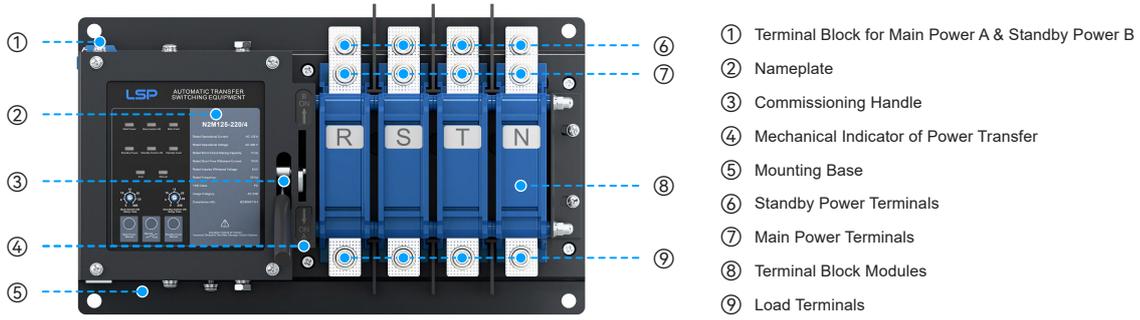
### Order Information

Ordering Code	220
N2M125-220/4	1212430
N2M125-220/4F	1212431
N2M125-220/4T	1212432
N2M125-220/4FT	1212433

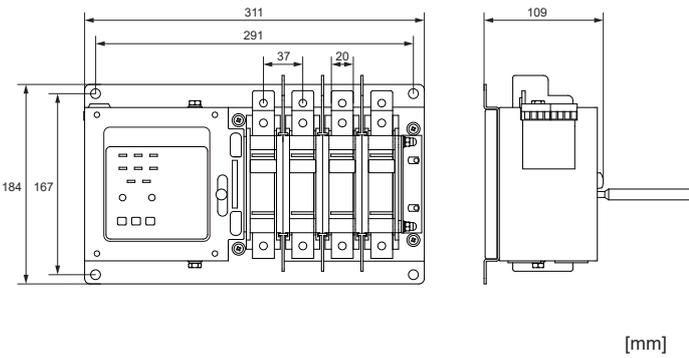


# N2M125-220/4(F/T)

## Product Overview

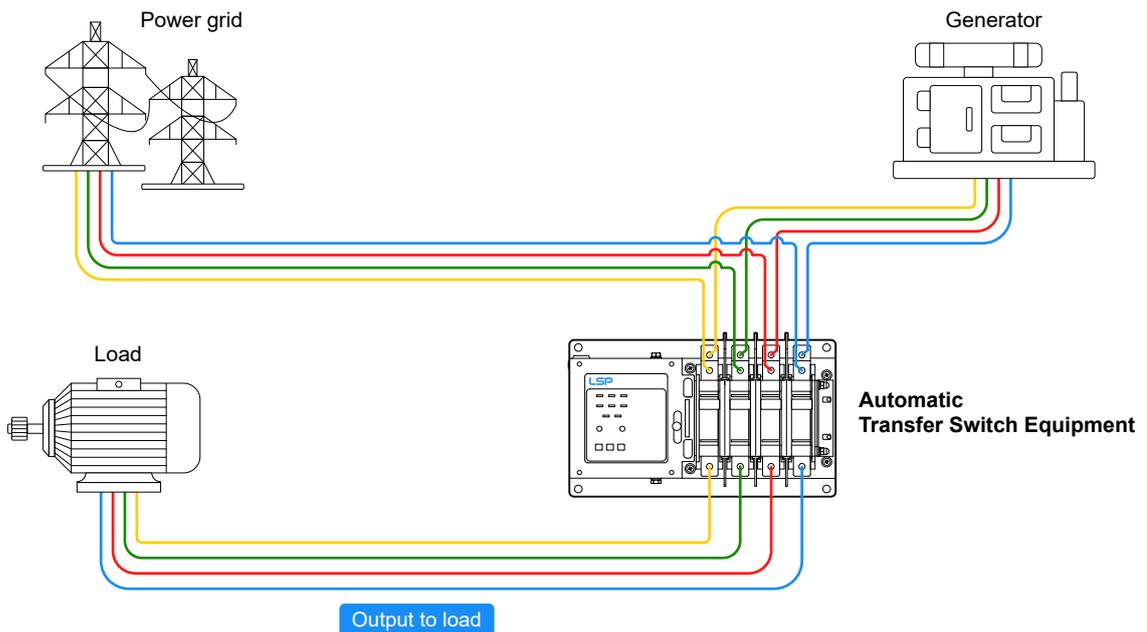


## Dimensions & Packaging



Packing Information	
Units per Carton	1 pc
Product / Inner box / Carton Weight	5.7 kg / 1.3 kg
Net / Gross Weight per Carton	5.7 kg / 7.0 kg
Dimensions (H × W × L)	[180 × 250 × 370 mm]

## Easy Installation Instructions



# Automatic Transfer Switch Equipment N2M250-220/3(F/T)



- PC-Class change-over switch
- Dual power supply design: power supply A (main) and power supply B (standby)
- Supports AC systems with a rated current of 160 A to 250 A
- Compliance: IEC 60947-6-1

The N2M250 series ensures reliable power for critical applications (e.g., fire protection, telecom, healthcare) with fast switching between main and backup power sources (utility grid, generator, or battery). It features an excitation mechanism, microcomputer control, intelligent monitoring, and strong EMC, operating at 220 V without additional control power. Suitable for three-phase systems (160-250 A), it supports automatic and manual transfer, complying with IEC 60947-6-1.

## Technical Data

N2M250-220/3

220

### IEC Electrical

Rated Voltage (Phase-to-Neutral) (AC)		230 V
Rated Operational Voltage (Phase-to-Phase) (AC)	$U_e$	400 V
Case Grade		125 A
Rated Operational Current	$I_e$	160 A / 250 A
Rated Insulation Voltage (Main Circuit)	$U_i$	690 V
Rated Impulse Withstand Voltage (Main Circuit)	$U_{imp}$	8 kV
Rated Insulation Voltage (Control Circuit)	$U_i$	690 V
Rated Impulse Withstand Voltage (Control Circuit)	$U_{imp}$	4 kV
Rated Short-Time Withstand Current	$I_{cw}$	10 kA / 60 ms
Rated Frequency		50 Hz
Automatic Switching Time (A to B)		≤ 900 ms
Load Disconnect Time		≤ 100 ms
Pole Number		3P
Usage Category		AC-33B
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% $U_e$ , 50 Hz, $I_e = 10$ A
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		8000 times
Electrical Life		3000 times
Operating Cycle		One operation per 10 s
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported  T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / 230 V AC), immediate start, 5 s stop delay
Return Transfer Delay (B to A)		Adjustable from 0 to 30 s

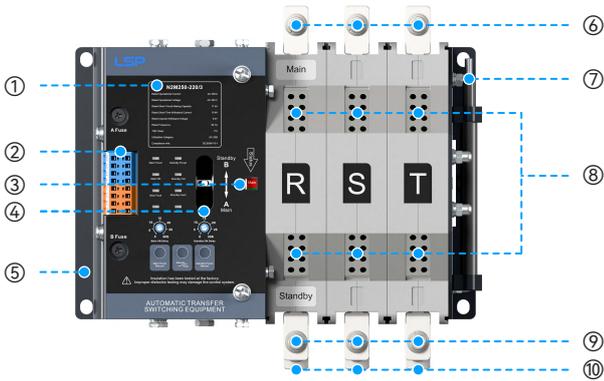
### Order Information

Ordering Code	220
N2M250-220/3	2512330
N2M250-220/3F	2512331
N2M250-220/3T	2512332
N2M250-220/3FT	2512333



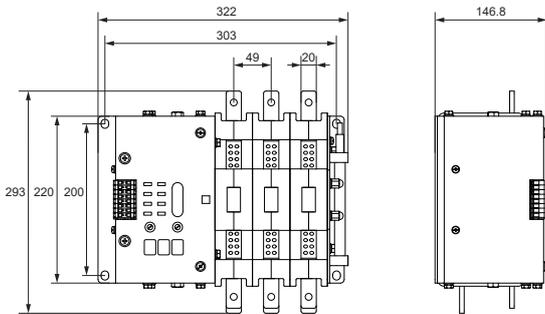
# N2M250-220/3(F/T)

## Product Overview



- ① Nameplate
- ② Terminal Blocks for Main Power A & Standby Power B
- ③ Mechanical Indicator of Power Transfer
- ④ Commissioning Handle Socket
- ⑤ Mounting Base
- ⑥ Main Power Terminals
- ⑦ Commissioning Handle (Removable)
- ⑧ Arc Chute
- ⑨ Standby Power Terminals
- ⑩ Load Terminals

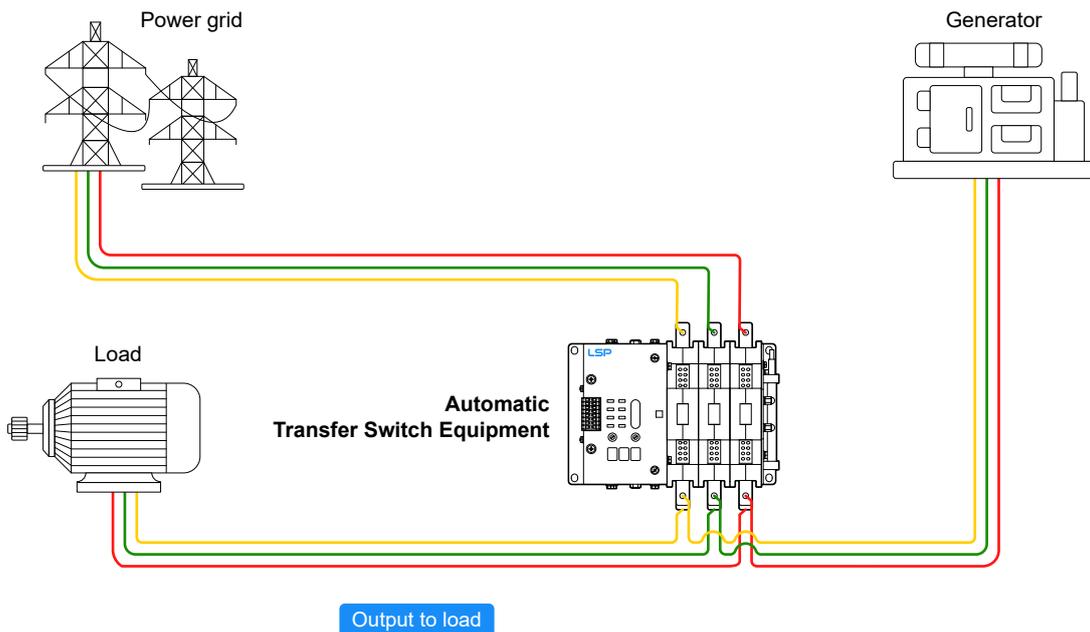
## Dimensions & Packaging



[mm]

Packing Information	
Units per Carton	1 pc
Product / Inner box / Carton Weight	14.7 kg / 0.9 kg
Net / Gross Weight per Carton	14.7 kg / 15.6 kg
Dimensions (H × W × L)	[240 × 330 × 470 mm]

## Easy Installation Instructions



# Automatic Transfer Switch Equipment N2M250-220/4(F/T)



- PC-Class change-over switch
- Dual power supply design: power supply A (main) and power supply B (standby)
- Supports AC systems with a rated current of 160 A to 250 A
- Compliance: IEC 60947-6-1

The N2M250 series ensures reliable power for critical applications (e.g., fire protection, telecom, healthcare) with fast switching between main and backup power sources (utility grid, generator, or battery). It features an excitation mechanism, microcomputer control, intelligent monitoring, and strong EMC, operating at 220 V without additional control power. Suitable for three-phase systems (160-250 A), it supports automatic and manual transfer, complying with IEC 60947-6-1.

## Technical Data

N2M250-220/4

220

### IEC Electrical

Rated Voltage (Phase-to-Neutral) (AC)		230 V
Rated Operational Voltage (Phase-to-Phase) (AC)	$U_e$	400 V
Case Grade		125 A
Rated Operational Current	$I_e$	160 A / 250 A
Rated Insulation Voltage (Main Circuit)	$U_i$	690 V
Rated Impulse Withstand Voltage (Main Circuit)	$U_{imp}$	8 kV
Rated Insulation Voltage (Control Circuit)	$U_i$	690 V
Rated Impulse Withstand Voltage (Control Circuit)	$U_{imp}$	4 kV
Rated Short-Time Withstand Current	$I_{cw}$	10 kA / 60 ms
Rated Frequency		50 Hz
Automatic Switching Time (A to B)		≤ 900 ms
Load Disconnect Time		≤ 100 ms
Pole Number		4P
Usage Category		AC-33B
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% $U_e$ , 50 Hz, $I_e = 10$ A
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		8000 times
Electrical Life		3000 times
Operating Cycle		One operation per 10 s
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported  T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / 230 V AC), immediate start, 5 s stop delay
Return Transfer Delay (B to A)		Adjustable from 0 to 30 s

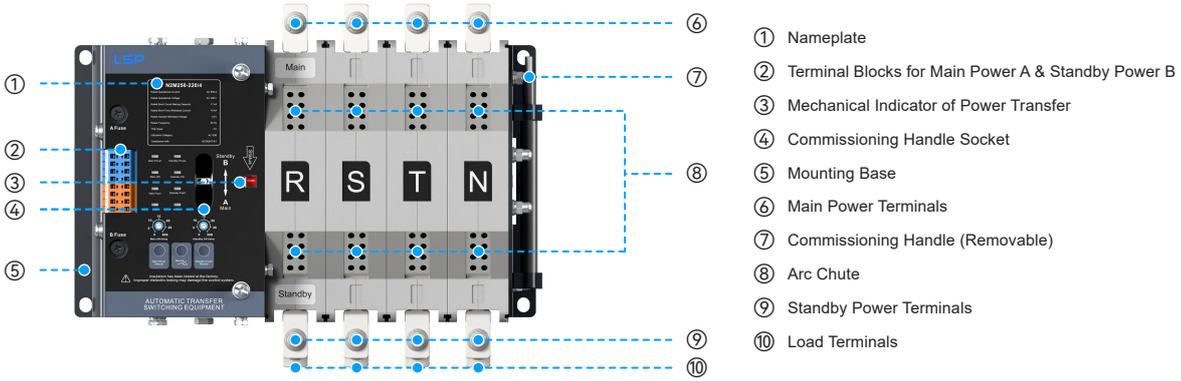
### Order Information

Ordering Code	220
N2M250-220/4	2512430
N2M250-220/4F	2512431
N2M250-220/4T	2512432
N2M250-220/4FT	2512433



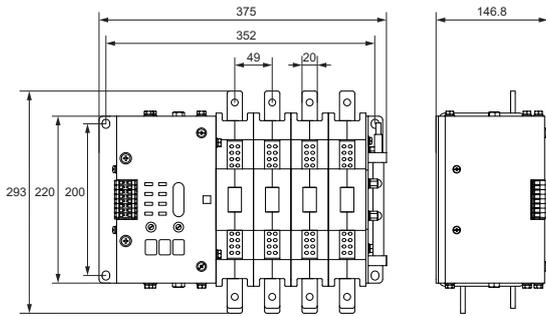
# N2M250-220/4(F/T)

## Product Overview



- ① Nameplate
- ② Terminal Blocks for Main Power A & Standby Power B
- ③ Mechanical Indicator of Power Transfer
- ④ Commissioning Handle Socket
- ⑤ Mounting Base
- ⑥ Main Power Terminals
- ⑦ Commissioning Handle (Removable)
- ⑧ Arc Chute
- ⑨ Standby Power Terminals
- ⑩ Load Terminals

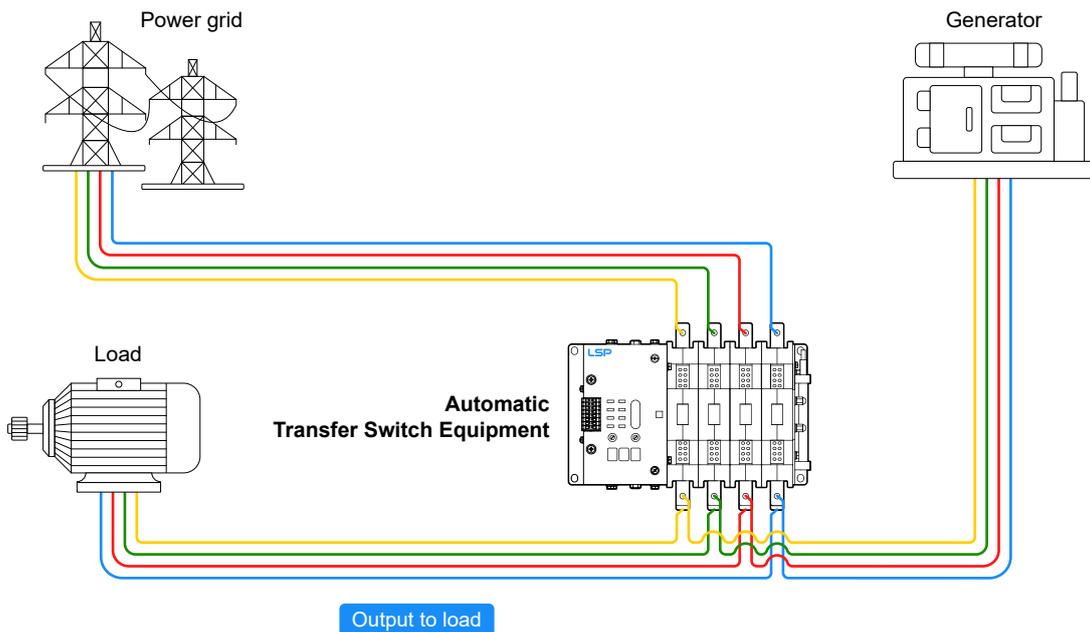
## Dimensions & Packaging



[mm]

Packing Information	
Units per Carton	1 pc
Product / Inner box / Carton Weight	17.0 kg / 1.0 kg
Net / Gross Weight per Carton	17.0 kg / 18.0 kg
Dimensions (H × W × L)	[240 × 330 × 520 mm]

## Easy Installation Instructions



# Automatic Transfer Switch Equipment N2M400-220/4(F/T)



- PC-Class change-over switch
- Dual power supply design: power supply A (main) and power supply B (standby)
- Supports AC systems with a rated current of 315 A to 400 A
- Compliance: IEC 60947-6-1

The N2M400 series ensures reliable power for critical applications (e.g., fire protection, telecom, healthcare) with fast switching between main and backup power sources (utility grid, generator, or battery). It features an excitation mechanism, microcomputer control, intelligent monitoring, and strong EMC, operating at 220 V without additional control power. Suitable for three-phase systems (315-400 A), it supports automatic and manual transfer, complying with IEC 60947-6-1.

## Technical Data

N2M400-220/4

220

### IEC Electrical

Rated Voltage (Phase-to-Neutral) (AC)		230 V
Rated Operational Voltage (Phase-to-Phase) (AC)	$U_e$	400 V
Case Grade		125 A
Rated Operational Current	$I_e$	315 A / 400 A
Rated Insulation Voltage (Main Circuit)	$U_i$	690 V
Rated Impulse Withstand Voltage (Main Circuit)	$U_{imp}$	8 kV
Rated Insulation Voltage (Control Circuit)	$U_i$	690 V
Rated Impulse Withstand Voltage (Control Circuit)	$U_{imp}$	4 kV
Rated Short-Time Withstand Current	$I_{cw}$	10 kA / 1 s
Rated Frequency		50 Hz
Automatic Switching Time (A to B)		≤ 900 ms
Load Disconnect Time		≤ 100 ms
Pole Number		4P
Usage Category		AC-33B
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% $U_e$ , 50 Hz, $I_e = 10$ A
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		8000 times
Electrical Life		3000 times
Operating Cycle		One operation per 10 s
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported  T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / 230 V AC), immediate start, 5 s stop delay
Return Transfer Delay (B to A)		Adjustable from 0 to 30 s

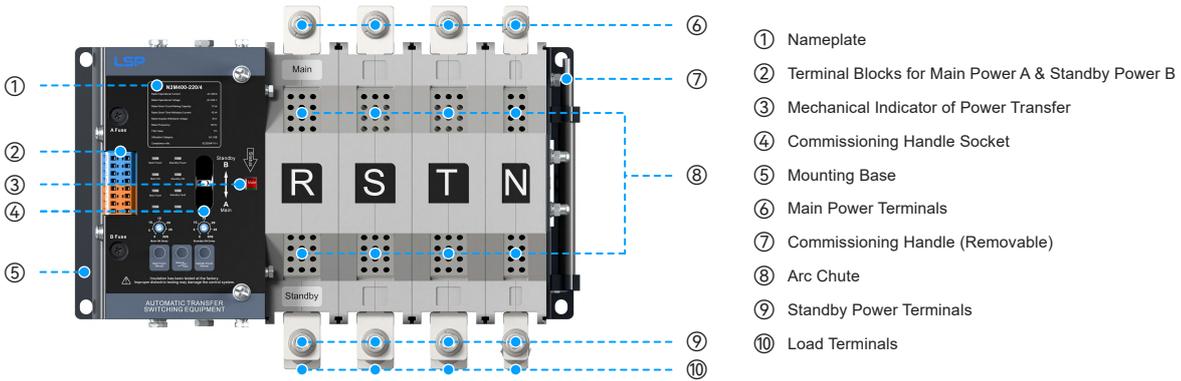
### Order Information

Ordering Code	220
N2M400-220/4	4012430
N2M400-220/4F	4012431
N2M400-220/4T	4012432
N2M400-220/4FT	4012433



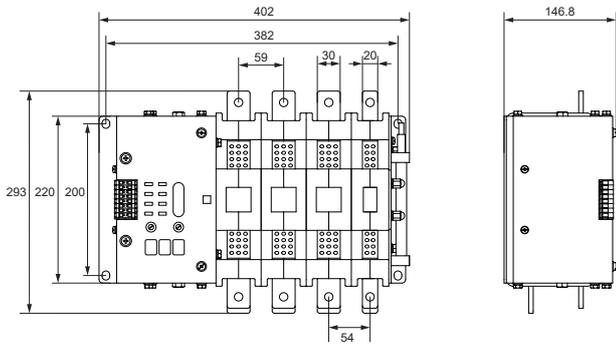
# N2M400-220/4(F/T)

## Product Overview



- ① Nameplate
- ② Terminal Blocks for Main Power A & Standby Power B
- ③ Mechanical Indicator of Power Transfer
- ④ Commissioning Handle Socket
- ⑤ Mounting Base
- ⑥ Main Power Terminals
- ⑦ Commissioning Handle (Removable)
- ⑧ Arc Chute
- ⑨ Standby Power Terminals
- ⑩ Load Terminals

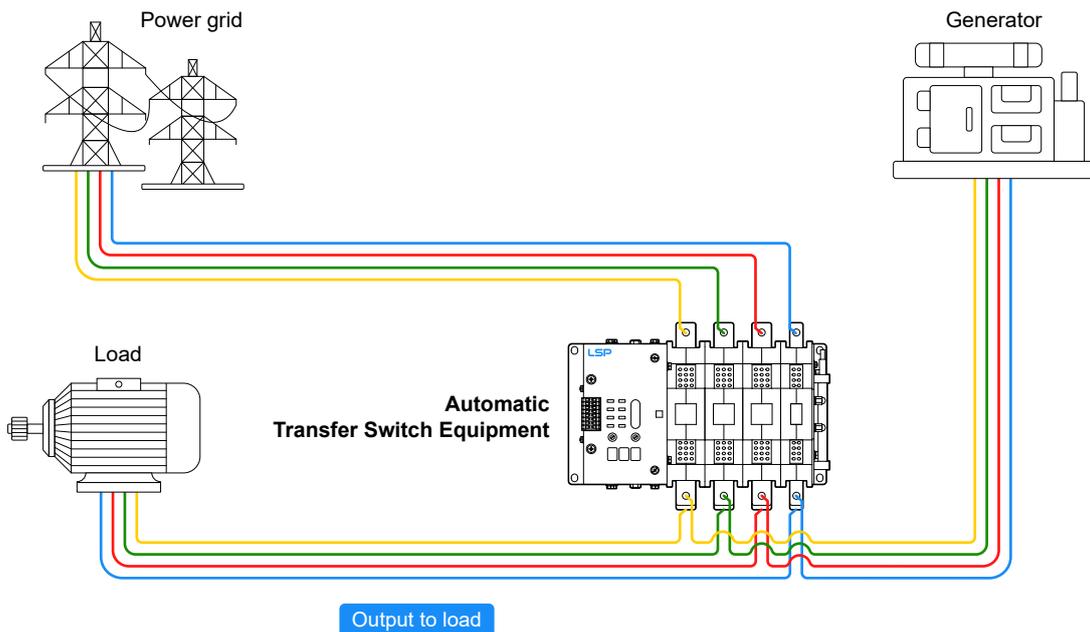
## Dimensions & Packaging



[mm]

Packing Information	
Units per Carton	1 pc
Product / Inner box / Carton Weight	18.8 kg / 1.1 kg
Net / Gross Weight per Carton	18.8 kg / 19.9 kg
Dimensions (H × W × L)	[240 × 330 × 550 mm]

## Easy Installation Instructions



# Automatic Transfer Switch Equipment N2M630-220/4(F/T)



- PC-Class change-over switch
- Dual power supply design: power supply A (main) and power supply B (standby)
- Supports AC systems with a rated current of 500 A to 630 A
- Compliance: IEC 60947-6-1

The N2M630 series ensures reliable power for critical applications (e.g., fire protection, telecom, healthcare) with fast switching between main and backup power sources (utility grid, generator, or battery). It features an excitation mechanism, microcomputer control, intelligent monitoring, and strong EMC, operating at 220 V without additional control power. Suitable for three-phase systems (500-630 A), it supports automatic and manual transfer, complying with IEC 60947-6-1.

## Technical Data

N2M630-220/4

220

### IEC Electrical

Rated Voltage (Phase-to-Neutral) (AC)		230 V
Rated Operational Voltage (Phase-to-Phase) (AC)	$U_e$	400 V
Case Grade		125 A
Rated Operational Current	$I_e$	500 A / 630 A
Rated Insulation Voltage (Main Circuit)	$U_i$	690 V
Rated Impulse Withstand Voltage (Main Circuit)	$U_{imp}$	8 kV
Rated Insulation Voltage (Control Circuit)	$U_i$	690 V
Rated Impulse Withstand Voltage (Control Circuit)	$U_{imp}$	4 kV
Rated Short-Time Withstand Current	$I_{cw}$	10 kA / 1 s
Rated Frequency		50 Hz
Automatic Switching Time (A to B)		≤ 900 ms
Load Disconnect Time		≤ 100 ms
Pole Number		4P
Usage Category		AC-33B
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% $U_e$ , 50 Hz, $I_e = 10$ A
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		8000 times
Electrical Life		2000 times
Operating Cycle		One operation per 10 s
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported  T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / 230 V AC), immediate start, 5 s stop delay
Return Transfer Delay (B to A)		Adjustable from 0 to 30 s

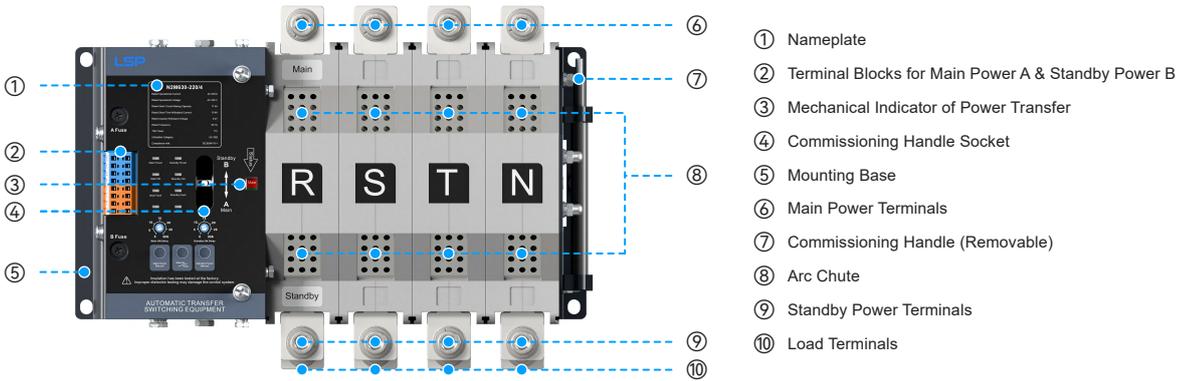
### Order Information

Ordering Code	220
N2M630-220/4	6312430
N2M630-220/4F	6312431
N2M630-220/4T	6312432
N2M630-220/4FT	6312433



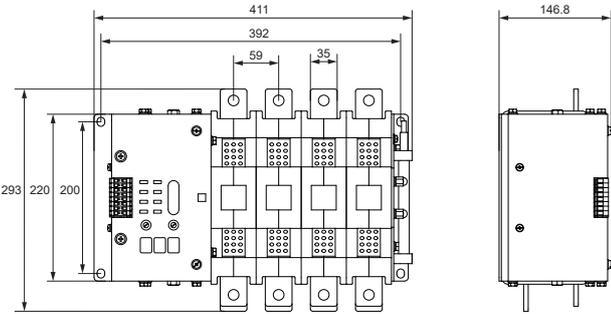
# N2M630-220/4(F/T)

## Product Overview



- ① Nameplate
- ② Terminal Blocks for Main Power A & Standby Power B
- ③ Mechanical Indicator of Power Transfer
- ④ Commissioning Handle Socket
- ⑤ Mounting Base
- ⑥ Main Power Terminals
- ⑦ Commissioning Handle (Removable)
- ⑧ Arc Chute
- ⑨ Standby Power Terminals
- ⑩ Load Terminals

## Dimensions & Packaging

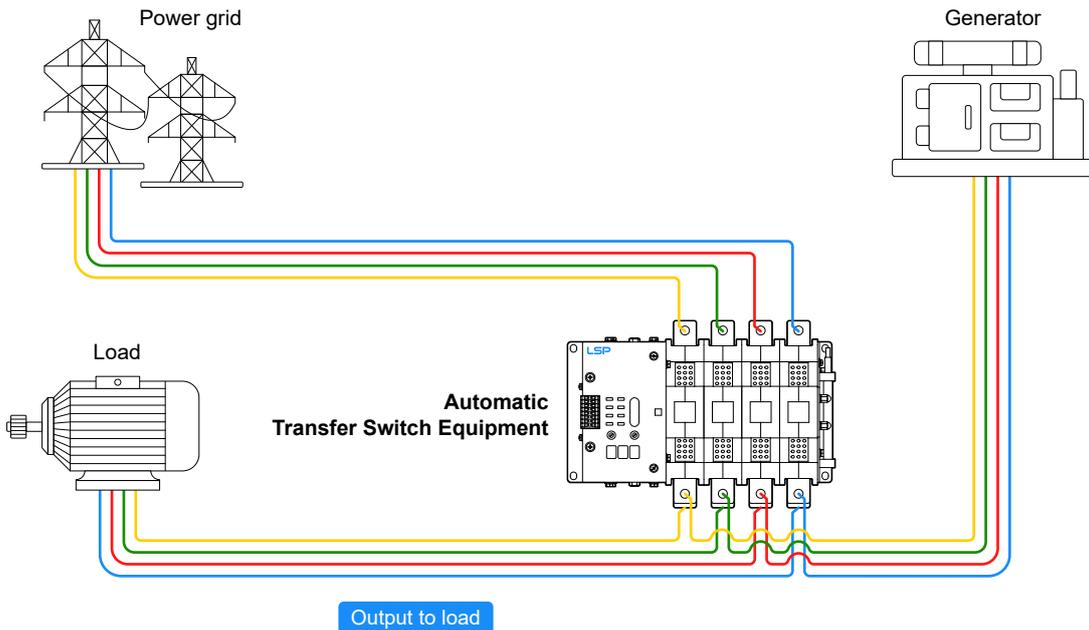


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### Packing Information

Units per Carton	1 pc
Product / Inner box / Carton Weight	19.06 kg / 1.74 kg
Net / Gross Weight per Carton	19.06 kg / 20.8 kg
Dimensions (H × W × L)	[240 × 330 × 550 mm]

## Easy Installation Instructions



# Automatic Transfer Switch Equipment

## S3M125-220/4(F/T)



- PC-Class change-over switch
- Dual power supply design: power supply A (main) and power supply B (standby)
- Supports AC systems with a rated current of 80 A to 125 A
- Monitoring: Three-phase sampling
- Transfer Positions: Three-position (A-0-B)
- Firefighting Interlock Function
- Compliance: IEC 60947-6-1

### Technical Data

S3M125-220/4

220

#### IEC Electrical

Single-Phase Rated Voltage (Phase-to-Neutral) (AC)		230 V
Rated Operational Voltage (Phase-to-Phase) (AC)	$U_e$	400 V
Case Grade		125 A
Rated Operational Current	$I_e$	125 A
Rated Insulation Voltage (Main Circuit)	$U_i$	800 V
Rated Impulse Withstand Voltage (Main Circuit)	$U_{imp}$	8 kV
Rated Insulation Voltage (Control Circuit)	$U_i$	690 V
Rated Impulse Withstand Voltage (Control Circuit)	$U_{imp}$	4 kV
Rated Short-Time Withstand Current	$I_{cw}$	10 kA / 30 ms
Rated Short-Circuit Making Capacity	$I_{cm}$	17 kA
Rated Frequency		50/60 Hz
Automatic Switching Time (A to B)		≤ 200 ms
Load Disconnect Time		≤ 100 ms
Pole Number		4P
Usage Category		AC-33iB
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% $U_e$ , 50 Hz, $I_e = 6$ A
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		20000 times
Electrical Life		6000 times
Max Switching Frequency		60 operations per hour
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / 230 V AC), immediate start, 5 s stop delay
Return Transfer Delay (B to A)		Adjustable from 0 to 30 s
Degree of Protection		IP20

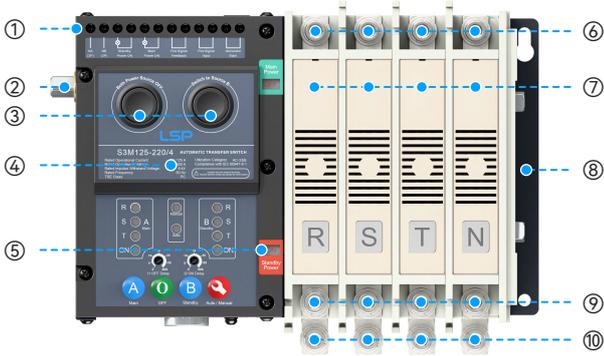
#### Order Information

Ordering Code	220
S3M125-220/4	1212440
S3M125-220/4F	1212441
S3M125-220/4T	1212442
S3M125-220/4FT	1212443



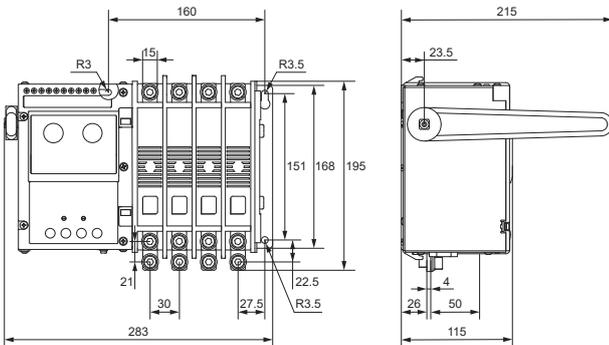
# S3M125-220/4(F/T)

## Product Overview



- ① Terminal Blocks for Main Power A & Standby Power B
- ② Commissioning Handle
- ③ Power Off / Transfer to Standby Power Push Button
- ④ Nameplate
- ⑤ Mechanical Indicator of Power Transfer
- ⑥ Main Power Terminals
- ⑦ Terminals Block Modules
- ⑧ Mounting Base
- ⑨ Standby Power Terminals
- ⑩ Load Terminals

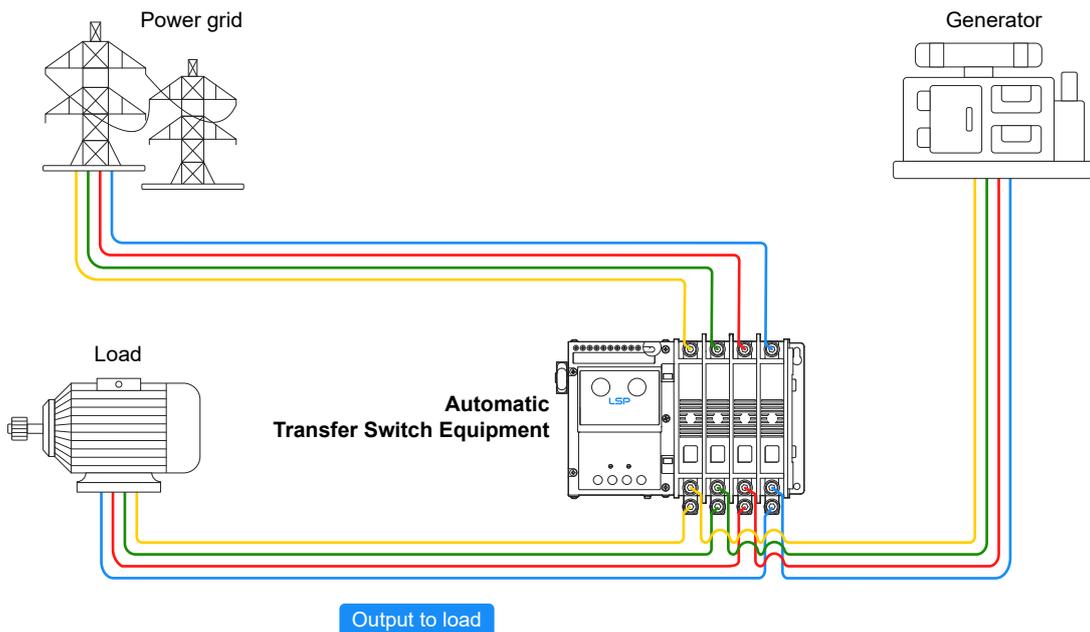
## Dimensions & Packaging



[mm]

Packing Information	
Units per Carton	1 pc
Product / Inner box / Carton Weight	7.92 kg / 0.68 kg
Net / Gross Weight per Carton	7.92 kg / 8.6 kg
Dimensions (H × W × L)	[210 × 270 × 380 mm]

## Easy Installation Instructions



# Automatic Transfer Switch Equipment

## S3M250-220/4(F/T)



- PC-Class change-over switch
- Dual power supply design: power supply A (main) and power supply B (standby)
- Supports AC systems with a rated current of 160 A to 250 A
- Monitoring: Three-phase sampling
- Transfer Positions: Three-position (A-0-B)
- Firefighting Interlock Function
- Compliance: IEC 60947-6-1

### Technical Data

S3M250-220/4

220

#### IEC Electrical

Single-Phase Rated Voltage (Phase-to-Neutral) (AC)		230 V
Rated Operational Voltage (Phase-to-Phase) (AC)	$U_e$	400 V
Case Grade		250 A
Rated Operational Current	$I_e$	250 A
Rated Insulation Voltage (Main Circuit)	$U_i$	800 V
Rated Impulse Withstand Voltage (Main Circuit)	$U_{imp}$	8 kV
Rated Insulation Voltage (Control Circuit)	$U_i$	690 V
Rated Impulse Withstand Voltage (Control Circuit)	$U_{imp}$	4 kV
Rated Short-Time Withstand Current	$I_{cw}$	10 kA / 30 ms
Rated Short-Circuit Making Capacity	$I_{cm}$	17 kA
Rated Frequency		50/60 Hz
Automatic Switching Time (A to B)		≤ 200 ms
Load Disconnect Time		≤ 100 ms
Pole Number		4P
Usage Category		AC-33iB
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% $U_e$ , 50 Hz, $I_e = 6$ A
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		8000 times
Electrical Life		3000 times
Max Switching Frequency		60 operations per hour
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / 230 V AC), immediate start, 5 s stop delay
Return Transfer Delay (B to A)		Adjustable from 0 to 30 s
Degree of Protection		IP20

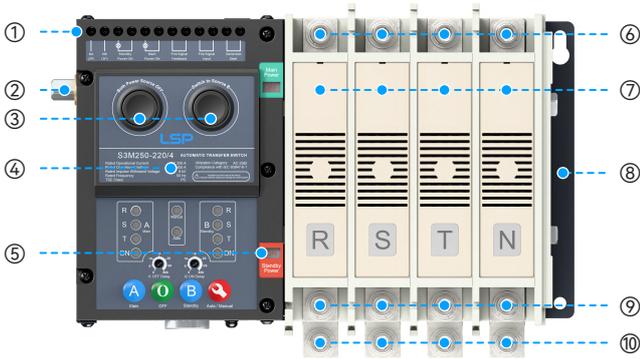
#### Order Information

Ordering Code	220
S3M250-220/4	2512440
S3M250-220/4F	2512441
S3M250-220/4T	2512442
S3M250-220/4FT	2512443



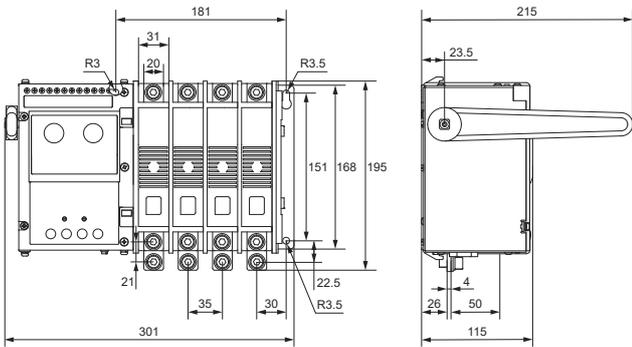
# S3M250-220/4(F/T)

## Product Overview



- ① Terminal Blocks for Main Power A & Standby Power B
- ② Commissioning Handle
- ③ Power Off / Transfer to Standby Power Push Button
- ④ Nameplate
- ⑤ Mechanical Indicator of Power Transfer
- ⑥ Main Power Terminals
- ⑦ Terminals Block Modules
- ⑧ Mounting Base
- ⑨ Standby Power Terminals
- ⑩ Load Terminals

## Dimensions & Packaging

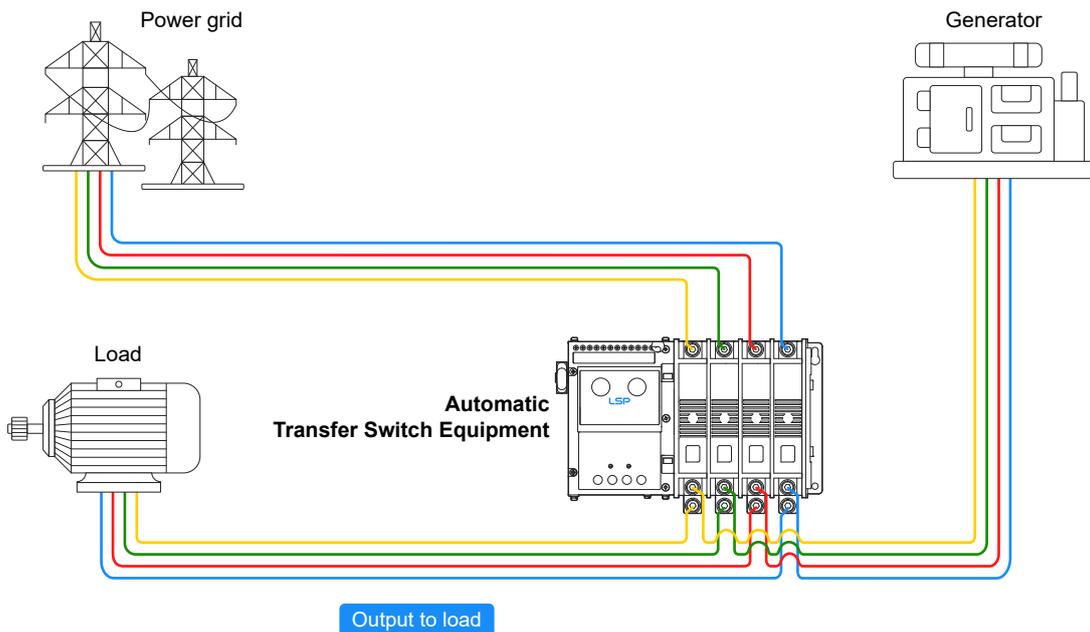


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### Packing Information

Units per Carton	1 pc
Product / Inner box / Carton Weight	8.72 kg / 0.68 kg
Net / Gross Weight per Carton	8.72 kg / 9.4 kg
Dimensions (H × W × L)	[210 × 270 × 380 mm]

## Easy Installation Instructions



# Automatic Transfer Switch Equipment

## S3M630-220/4(F/T)



- PC-Class change-over switch
- Dual power supply design: power supply A (main) and power supply B (standby)
- Supports AC systems with a rated current of 315 A to 630 A
- Monitoring: Three-phase sampling
- Transfer Positions: Three-position (A-0-B)
- Firefighting Interlock Function
- Compliance: IEC 60947-6-1

### Technical Data

S3M630-220/4

220

#### IEC Electrical

Single-Phase Rated Voltage (Phase-to-Neutral) (AC)		230 V
Rated Operational Voltage (Phase-to-Phase) (AC)	$U_e$	400 V
Case Grade		630 A
Rated Operational Current	$I_e$	630 A
Rated Insulation Voltage (Main Circuit)	$U_i$	800 V
Rated Impulse Withstand Voltage (Main Circuit)	$U_{imp}$	8 kV
Rated Insulation Voltage (Control Circuit)	$U_i$	690 V
Rated Impulse Withstand Voltage (Control Circuit)	$U_{imp}$	4 kV
Rated Short-Time Withstand Current	$I_{cw}$	12.6 kA / 60 ms
Rated Short-Circuit Making Capacity	$I_{cm}$	17 kA
Rated Frequency		50/60 Hz
Automatic Switching Time (A to B)		≤ 200 ms
Load Disconnect Time		≤ 100 ms
Pole Number		4P
Usage Category		AC-33iB
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% $U_e$ , 50 Hz, $I_e = 6$ A
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		8000 times
Electrical Life		3000 times
Max Switching Frequency		60 operations per hour
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / 230 V AC), immediate start, 5 s stop delay
Return Transfer Delay (B to A)		Adjustable from 0 to 30 s
Degree of Protection		IP20

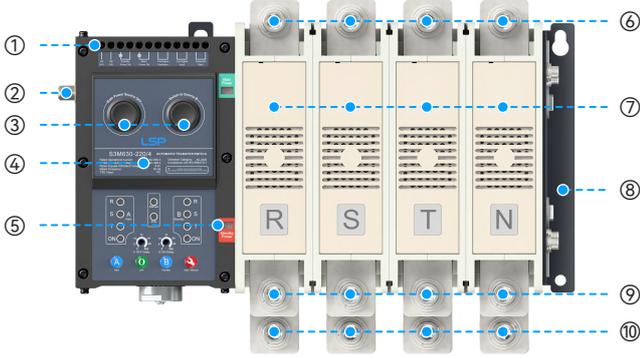
#### Order Information

Ordering Code	220
S3M630-220/4	6312440
S3M630-220/4F	6312441
S3M630-220/4T	6312442
S3M630-220/4FT	6312443



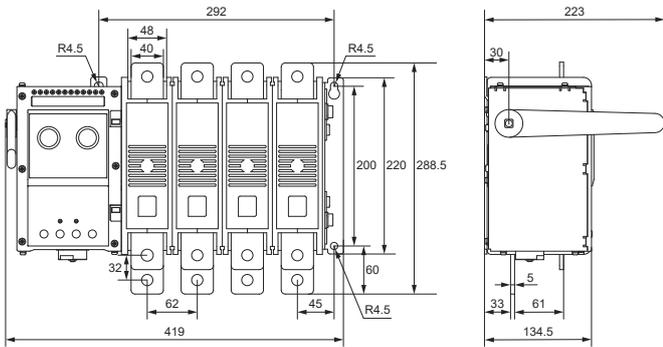
# S3M630-220/4(F/T)

## Product Overview



- ① Terminal Blocks for Main Power A & Standby Power B
- ② Commissioning Handle
- ③ Power Off / Transfer to Standby Power Push Button
- ④ Nameplate
- ⑤ Mechanical Indicator of Power Transfer
- ⑥ Main Power Terminals
- ⑦ Terminals Block Modules
- ⑧ Mounting Base
- ⑨ Standby Power Terminals
- ⑩ Load Terminals

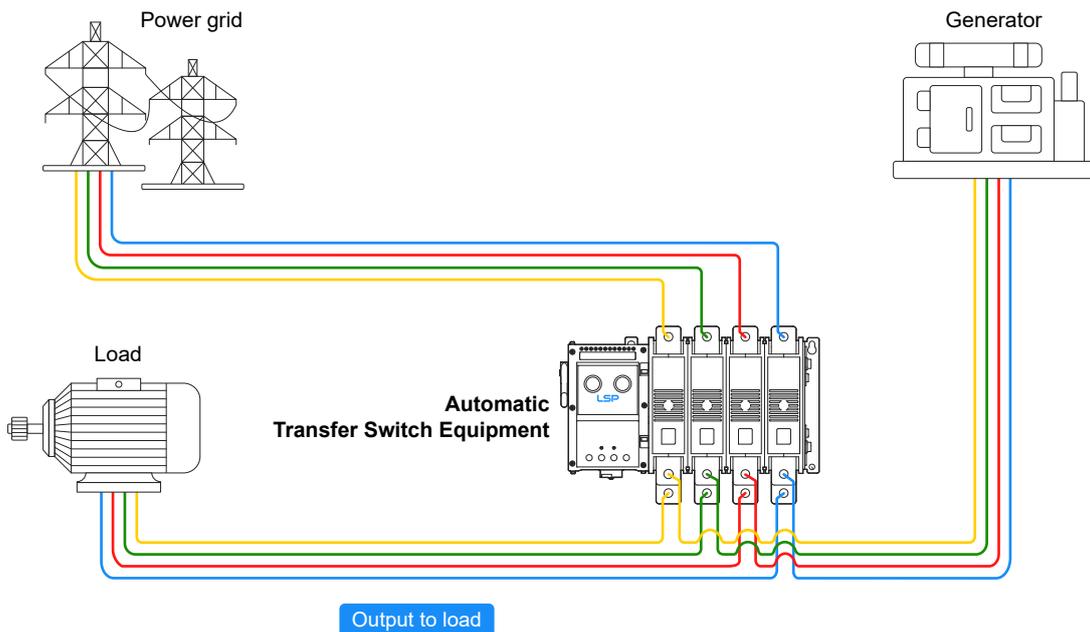
## Dimensions & Packaging



[mm]

Packing Information	
Units per Carton	1 pc
Product / Inner box / Carton Weight	19.6 kg / 1.2 kg
Net / Gross Weight per Carton	19.6 kg / 20.8 kg
Dimensions (H × W × L)	[250 × 375 × 500 mm]

## Easy Installation Instructions



# Automatic Transfer Switch Equipment G3M100-220/4(F/T)



- PC-Class change-over switch
- Dual power supply design: power supply A (main) and power supply B (standby)
- Supports AC systems with a rated current of 16 A to 100 A
- Monitoring: Three-phase sampling
- Transfer Positions: Three-position (A-0-B)
- Firefighting Interlock Function
- Compliance: IEC 60947-6-1

## Technical Data

G3M100-220/4

220

### IEC Electrical

Single-Phase Rated Voltage (Phase-to-Neutral) (AC)		230 V
Rated Operational Voltage (Phase-to-Phase) (AC)	$U_e$	400 V
Case Grade		100 A
Rated Operational Current	$I_e$	100 A
Rated Insulation Voltage (Main Circuit)	$U_i$	500 V
Rated Impulse Withstand Voltage (Main Circuit)	$U_{imp}$	8 kV
Rated Insulation Voltage (Control Circuit)	$U_i$	690 V
Rated Impulse Withstand Voltage (Control Circuit)	$U_{imp}$	4 kV
Rated Short-Time Withstand Current	$I_{cw}$	5 kA / 30 ms
Rated Short-Circuit Making Capacity	$I_{cm}$	8 kA
Rated Frequency		50/60 Hz
Automatic Switching Time (A to B)		3 s
Load Disconnect Time		1.3 s
Pole Number		4P
Usage Category		AC-33B
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% $U_e$ , 50 Hz, $I_e = 3 A$
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		10000 times
Electrical Life		1500 times
Max Switching Frequency		60 operations per hour
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / 230 V AC), immediate start, 5 s stop delay
Degree of Protection		IP20

### Order Information

Ordering Code	220
G3M100-220/4	1012450
G3M100-220/4F	1012451
G3M100-220/4T	1012452
G3M100-220/4FT	1012453



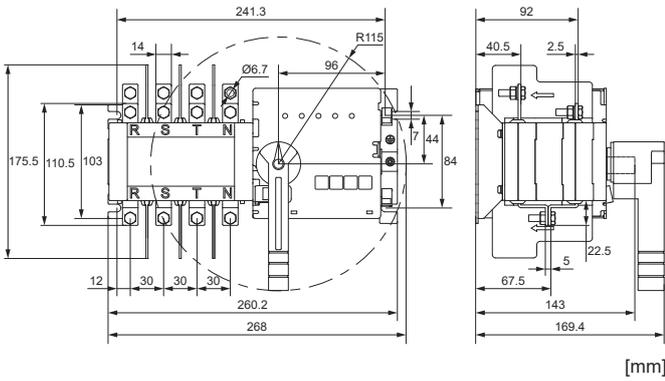
# G3M100-220/4(F/T)

## Product Overview



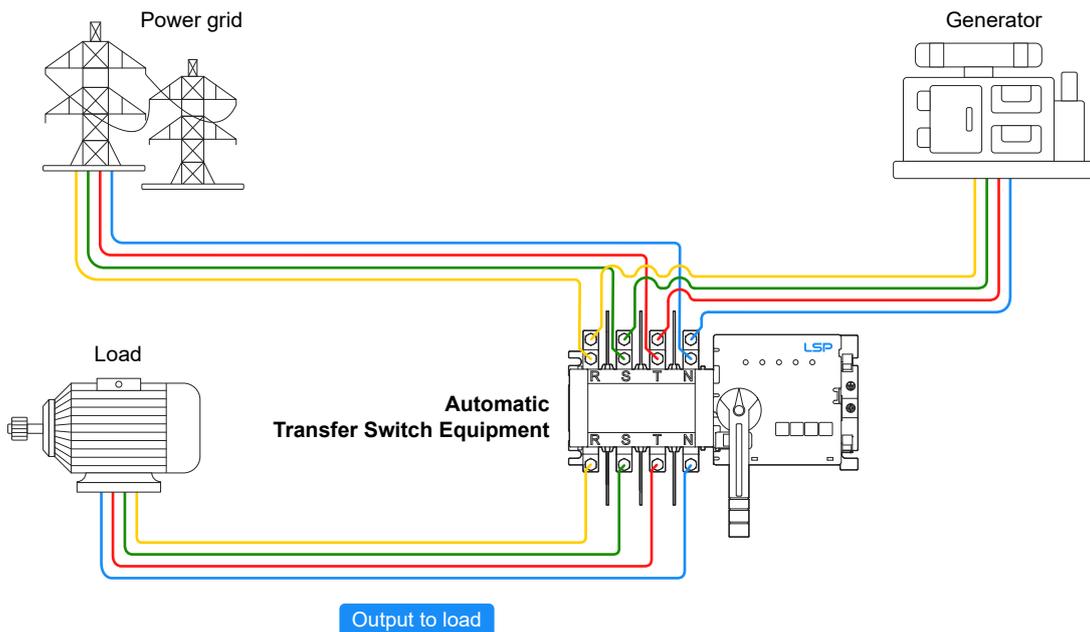
- ① Standby Power Terminals
- ② Main Power Terminals
- ③ Power Switch Unit
- ④ Load Terminals
- ⑤ Auxiliary and Control Terminals
- ⑥ Indicator Lights
- ⑦ Nameplate
- ⑧ Control Buttons
- ⑨ Operating Status Indicator Terminals
- ⑩ Mechanical Padlock Provision
- ⑪ Operation Handle and Indicator

## Dimensions & Packaging



Packing Information	
Units per Carton	6 pcs
Product / Inner box / Carton Weight	4.16 kg / 0.28 kg
Net / Gross Weight per Carton	24.96 kg / 26.9 kg
Dimensions (H × W × L)	[395 × 300 × 530 mm]

## Easy Installation Instructions



# Automatic Transfer Switch Equipment G3M250-220/4(F/T)



- PC-Class change-over switch
- Dual power supply design: power supply A (main) and power supply B (standby)
- Supports AC systems with a rated current of 200 A to 250 A
- Monitoring: Three-phase sampling
- Transfer Positions: Three-position (A-0-B)
- Firefighting Interlock Function
- Compliance: IEC 60947-6-1

## Technical Data

G3M250-220/4

220

### IEC Electrical

Single-Phase Rated Voltage (Phase-to-Neutral) (AC)		230 V
Rated Operational Voltage (Phase-to-Phase) (AC)	$U_e$	400 V
Case Grade		250 A
Rated Operational Current	$I_e$	250 A
Rated Insulation Voltage (Main Circuit)	$U_i$	690 V
Rated Impulse Withstand Voltage (Main Circuit)	$U_{imp}$	8 kV
Rated Insulation Voltage (Control Circuit)	$U_i$	500 V
Rated Impulse Withstand Voltage (Control Circuit)	$U_{imp}$	4 kV
Rated Short-Time Withstand Current	$I_{cw}$	10 kA / 60 ms
Rated Short-Circuit Making Capacity	$I_{cm}$	17 kA
Rated Frequency		50/60 Hz
Automatic Switching Time (A to B)		2.5 s
Load Disconnect Time		1 s
Pole Number		4P
Usage Category		AC-33iB
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% $U_e$ , 50 Hz, $I_e = 3$ A
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		8000 times
Electrical Life		1000 times
Max Switching Frequency		60 operations per hour
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / 230 V AC), immediate start, 5 s stop delay
Degree of Protection		IP20

### Order Information

Ordering Code	220
G3M250-220/4	2512450
G3M250-220/4F	2512451
G3M250-220/4T	2512452
G3M250-220/4FT	2512453



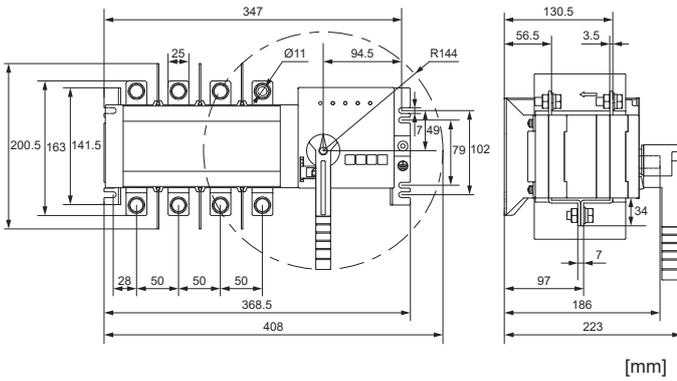
# G3M250-220/4(F/T)

## Product Overview



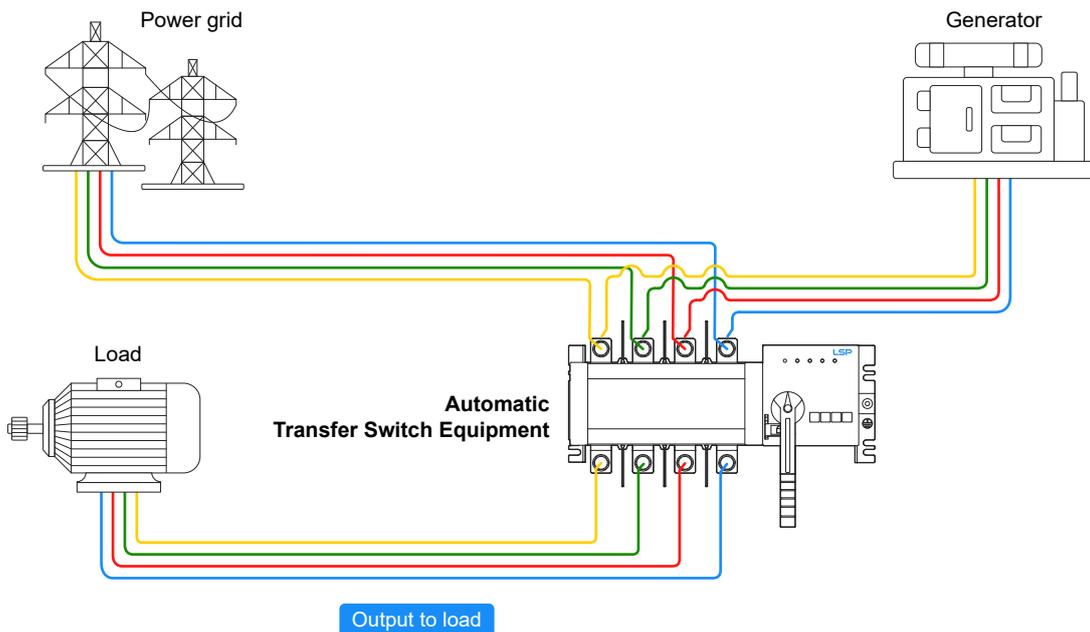
- ① Standby Power Terminals
- ② Main Power Terminals
- ③ Power Switch Unit
- ④ Load Terminals
- ⑤ Auxiliary and Control Terminals
- ⑥ Indicator Lights
- ⑦ Nameplate
- ⑧ Control Buttons
- ⑨ Operating Status Indicator Terminals
- ⑩ Mechanical Padlock Provision
- ⑪ Operation Handle and Indicator

## Dimensions & Packaging



Packing Information	
Units per Carton	2 pcs
Product / Inner box / Carton Weight	8.88 kg / 0.46 kg
Net / Gross Weight per Carton	17.76 kg / 19.06 kg
Dimensions (H × W × L)	[280 × 435 × 455 mm]

## Easy Installation Instructions



# Automatic Transfer Switch Equipment

## G3M630-220/4(F/T)



- PC-Class change-over switch
- Dual power supply design: power supply A (main) and power supply B (standby)
- Supports AC systems with a rated current of 315 A to 630 A
- Monitoring: Three-phase sampling
- Transfer Positions: Three-position (A-0-B)
- Firefighting Interlock Function
- Compliance: IEC 60947-6-1

### Technical Data

G3M630-220/4

220

#### IEC Electrical

Single-Phase Rated Voltage (Phase-to-Neutral) (AC)		230 V
Rated Operational Voltage (Phase-to-Phase) (AC)	$U_e$	400 V
Case Grade		630 A
Rated Operational Current	$I_e$	630 A
Rated Insulation Voltage (Main Circuit)	$U_i$	800 V
Rated Impulse Withstand Voltage (Main Circuit)	$U_{imp}$	8 kV
Rated Insulation Voltage (Control Circuit)	$U_i$	500 V
Rated Impulse Withstand Voltage (Control Circuit)	$U_{imp}$	4 kV
Rated Short-Time Withstand Current	$I_{cw}$	12.6 kA / 60 ms
Rated Short-Circuit Making Capacity	$I_{cm}$	26 kA
Rated Frequency		50/60 Hz
Automatic Switching Time (A to B)		3 s
Load Disconnect Time		1.5 s
Pole Number		4P
Usage Category		AC-33iB
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% $U_e$ , 50 Hz, $I_e = 3$ A
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		8000 times
Electrical Life		1000 times
Max Switching Frequency		60 operations per hour
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / 230 V AC), immediate start, 5 s stop delay
Degree of Protection		IP20

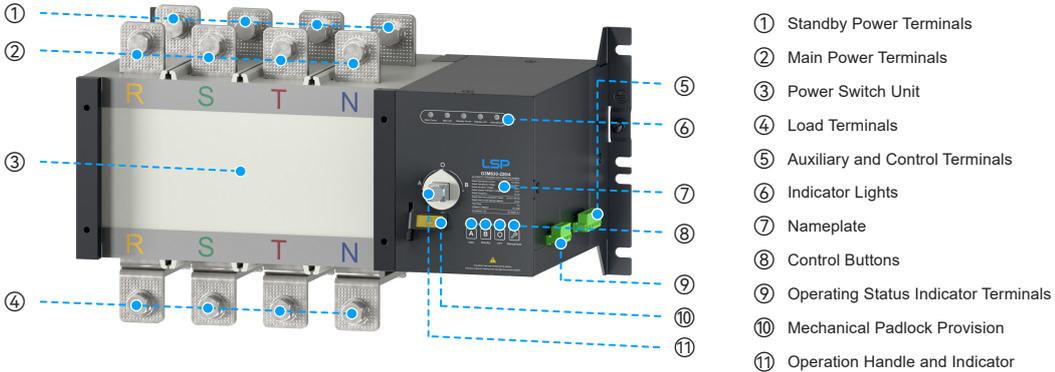
#### Order Information

Ordering Code	220
G3M630-220/4	6312450
G3M630-220/4F	6312451
G3M630-220/4T	6312452
G3M630-220/4FT	6312453

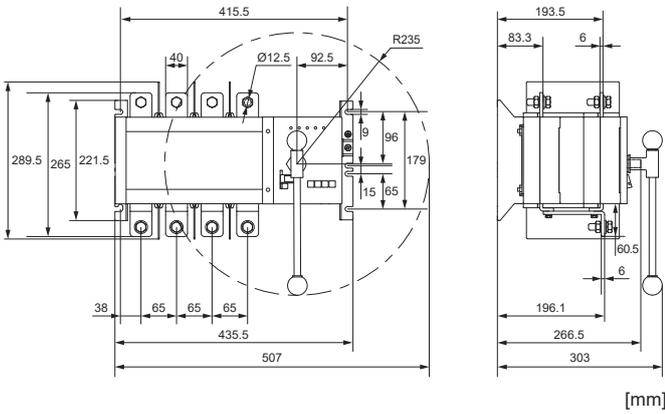


# G3M630-220/4(F/T)

## Product Overview



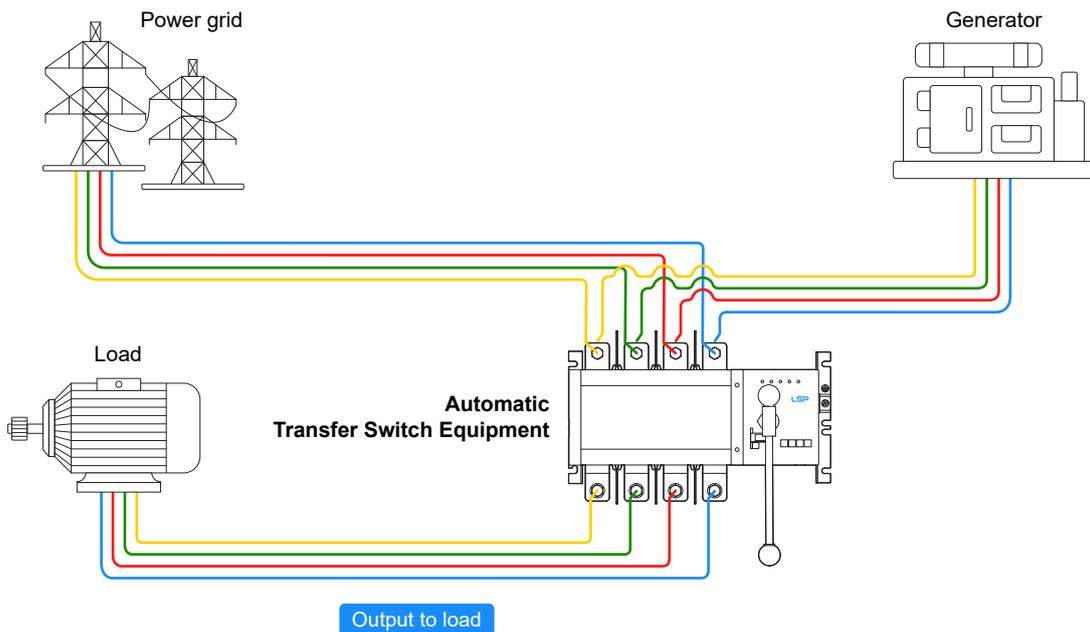
## Dimensions & Packaging



### Packing Information

Units per Carton	1 pc
Product / Inner box / Carton Weight	20.78 kg / 0.66 kg
Net / Gross Weight per Carton	20.78 kg / 21.44 kg
Dimensions (H × W × L)	[320 × 300 × 490 mm]

## Easy Installation Instructions



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